

FIG.1

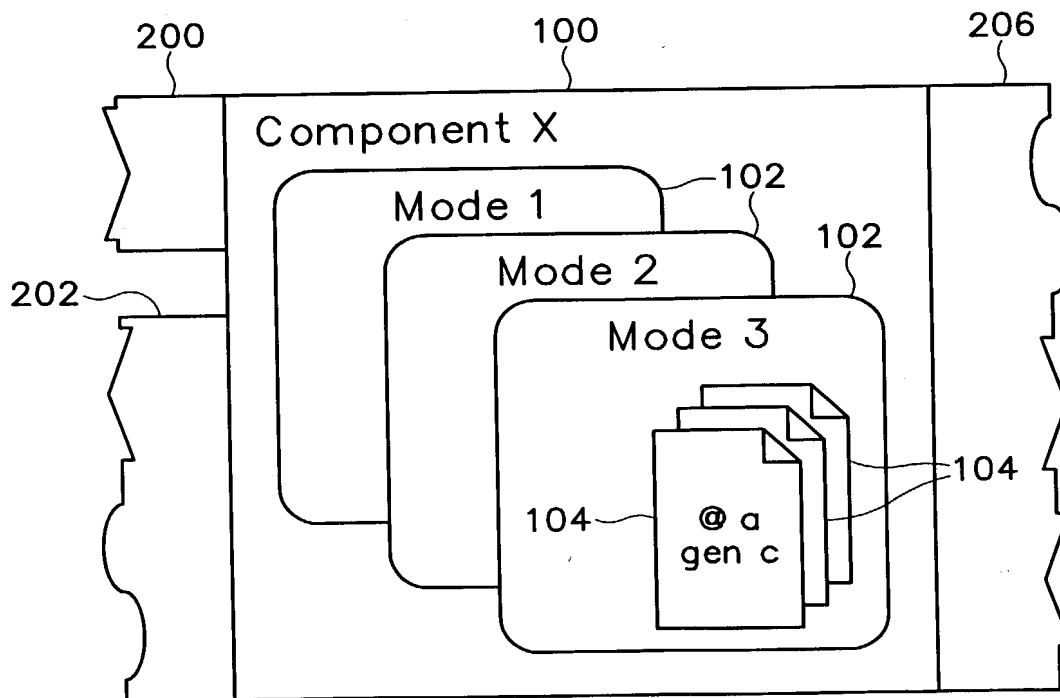
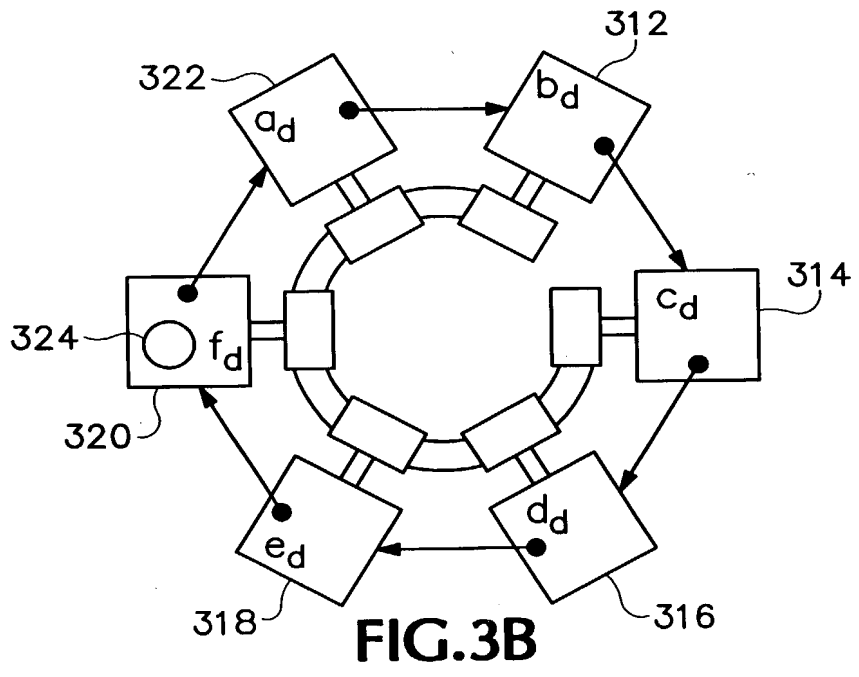
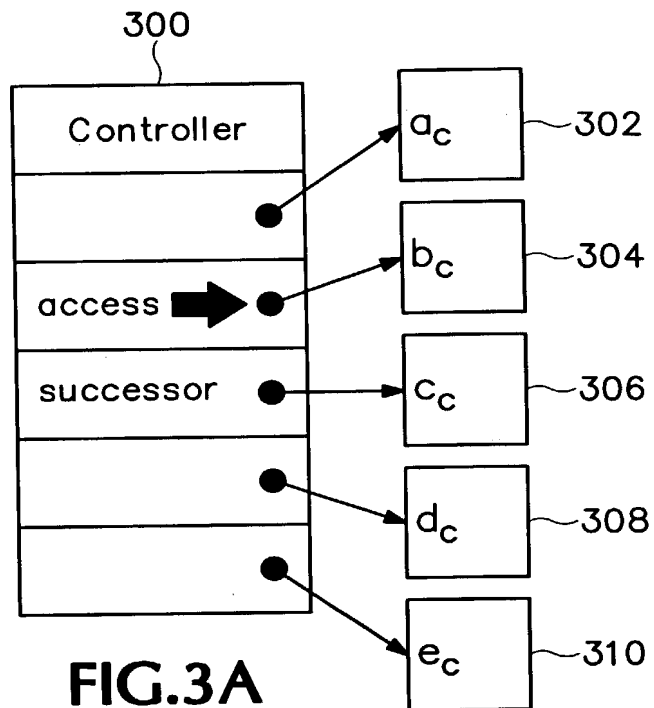
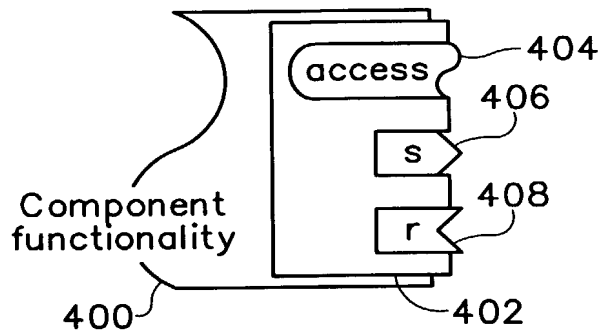
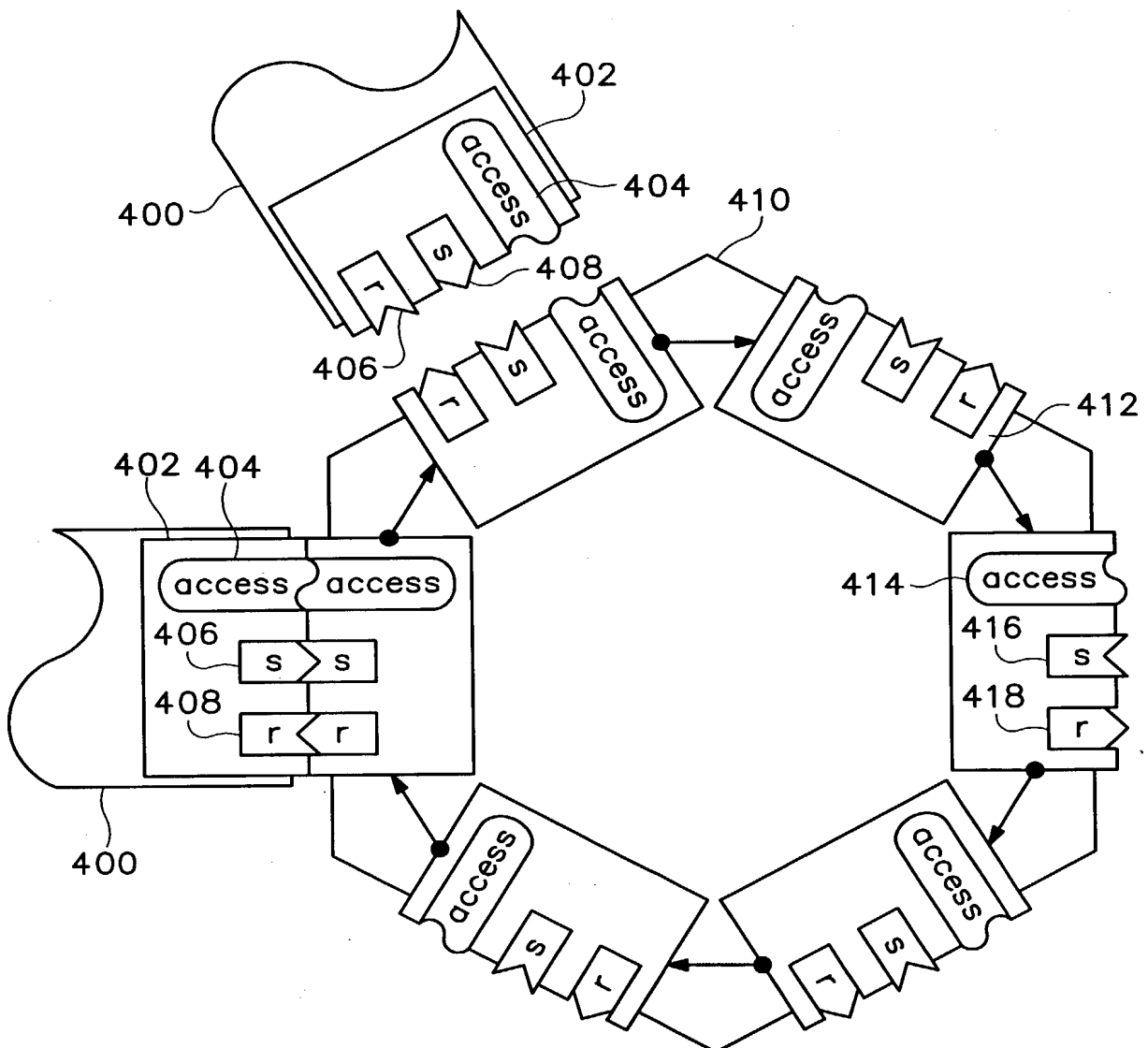


FIG.2

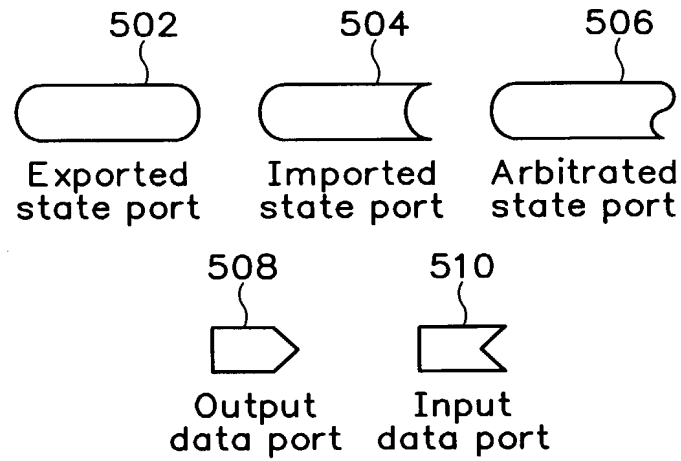
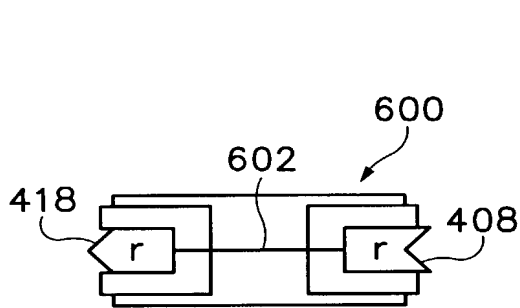
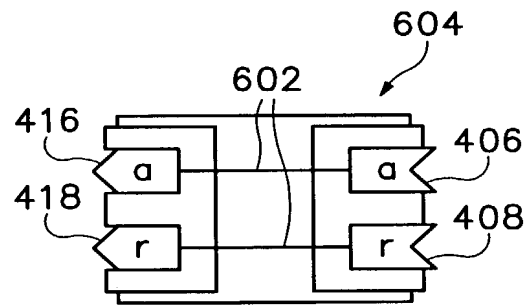
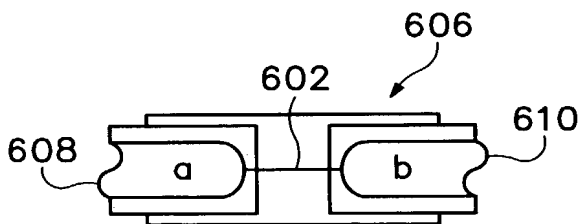
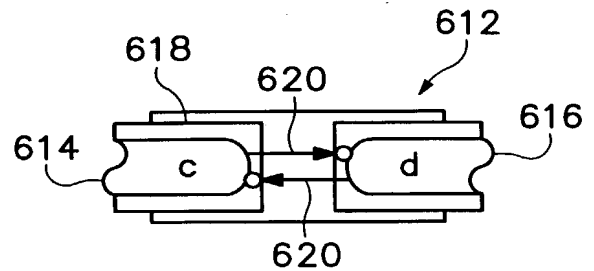


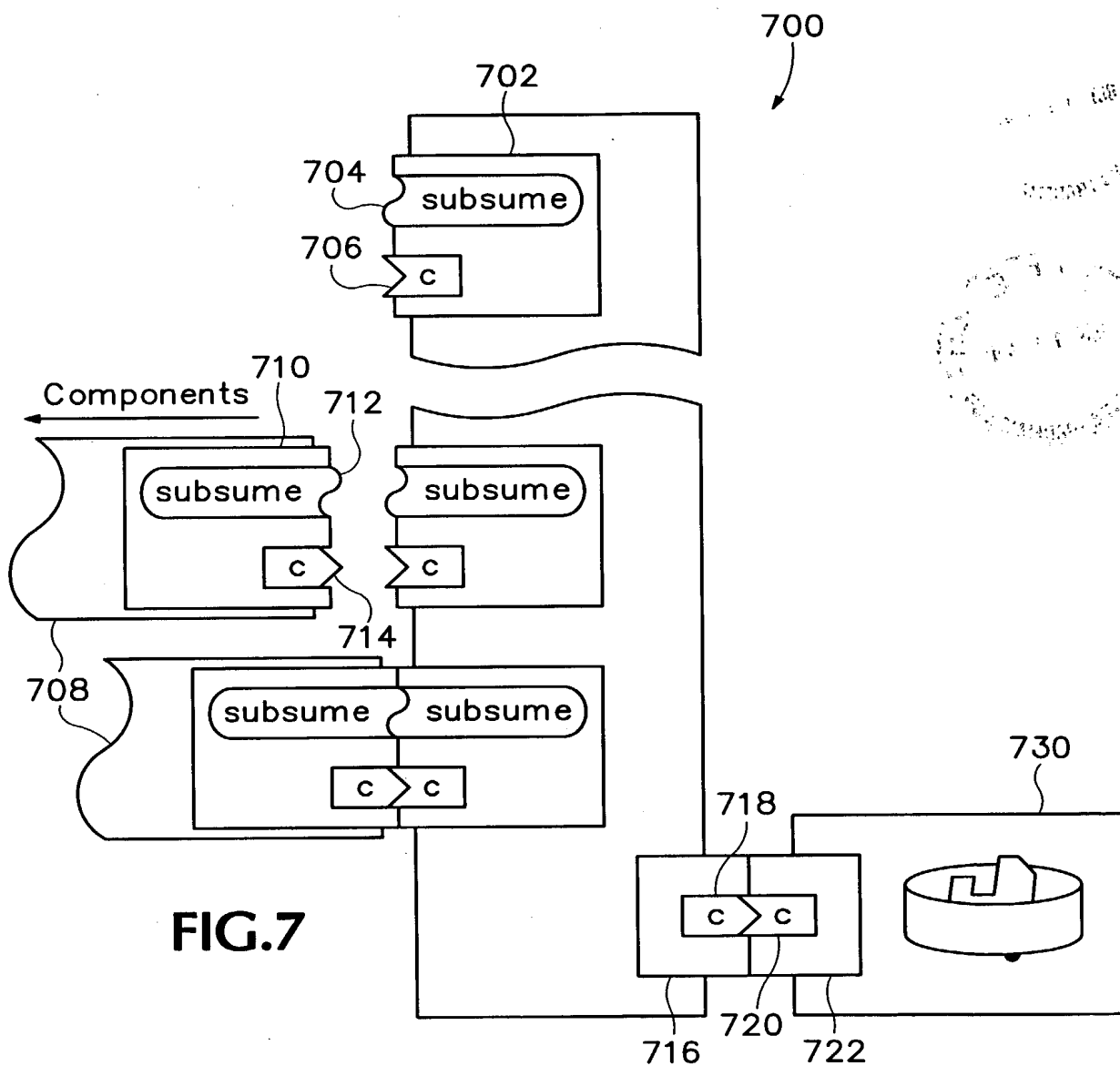


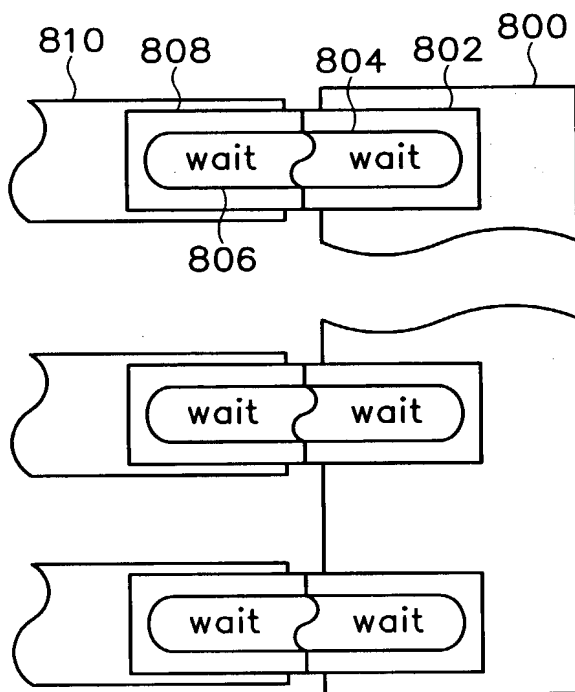
**FIG. 4A**



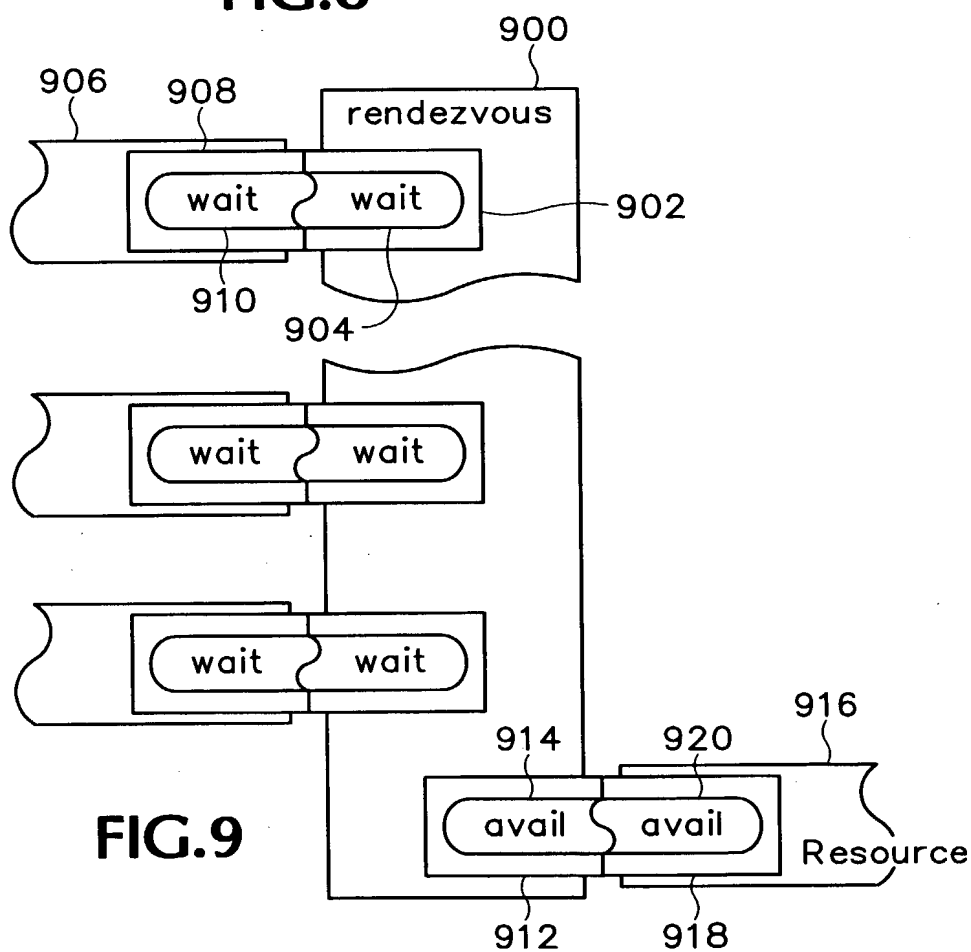
**FIG. 4B**

**FIG. 5****FIG. 6A****FIG. 6B****FIG. 6C****FIG. 6D**





**FIG.8**



**FIG.9**

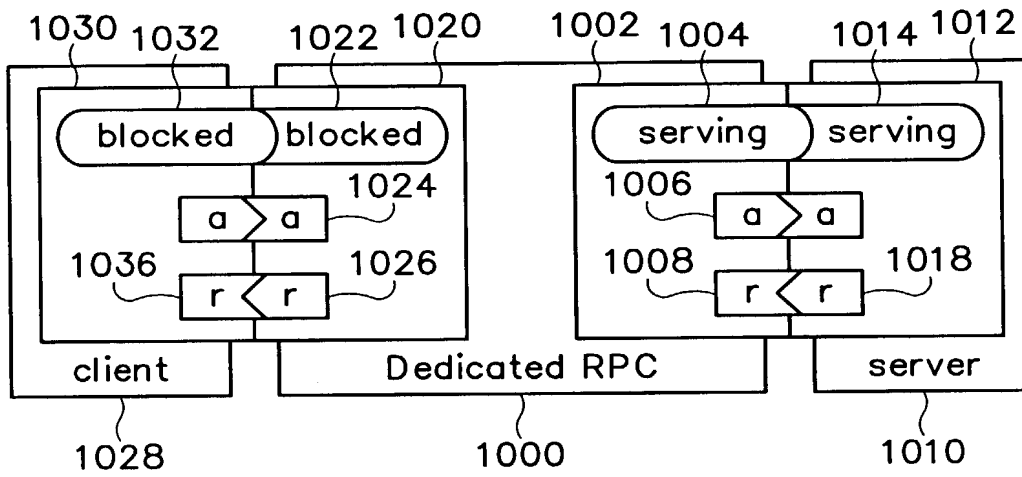


FIG.10

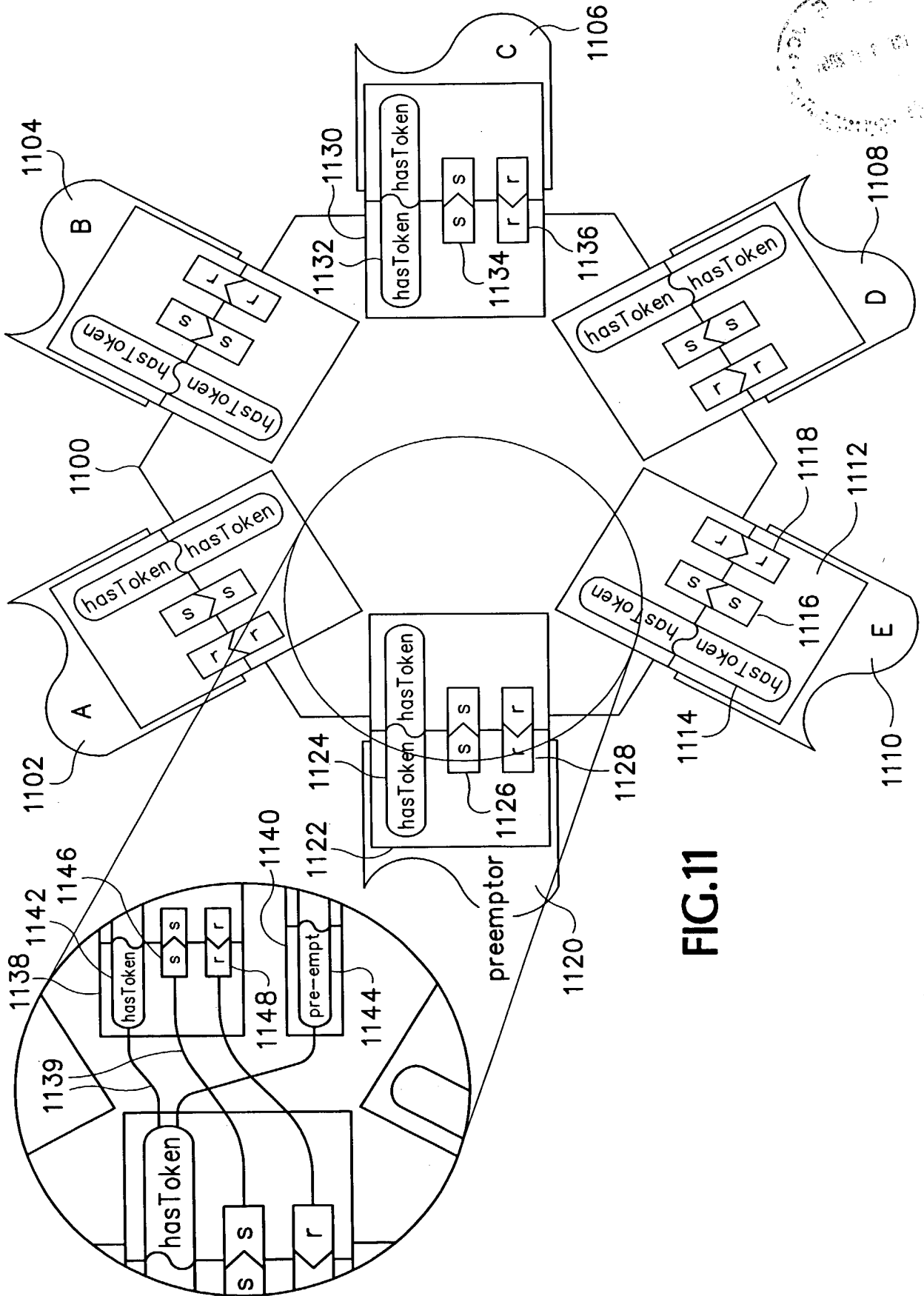


FIG.11



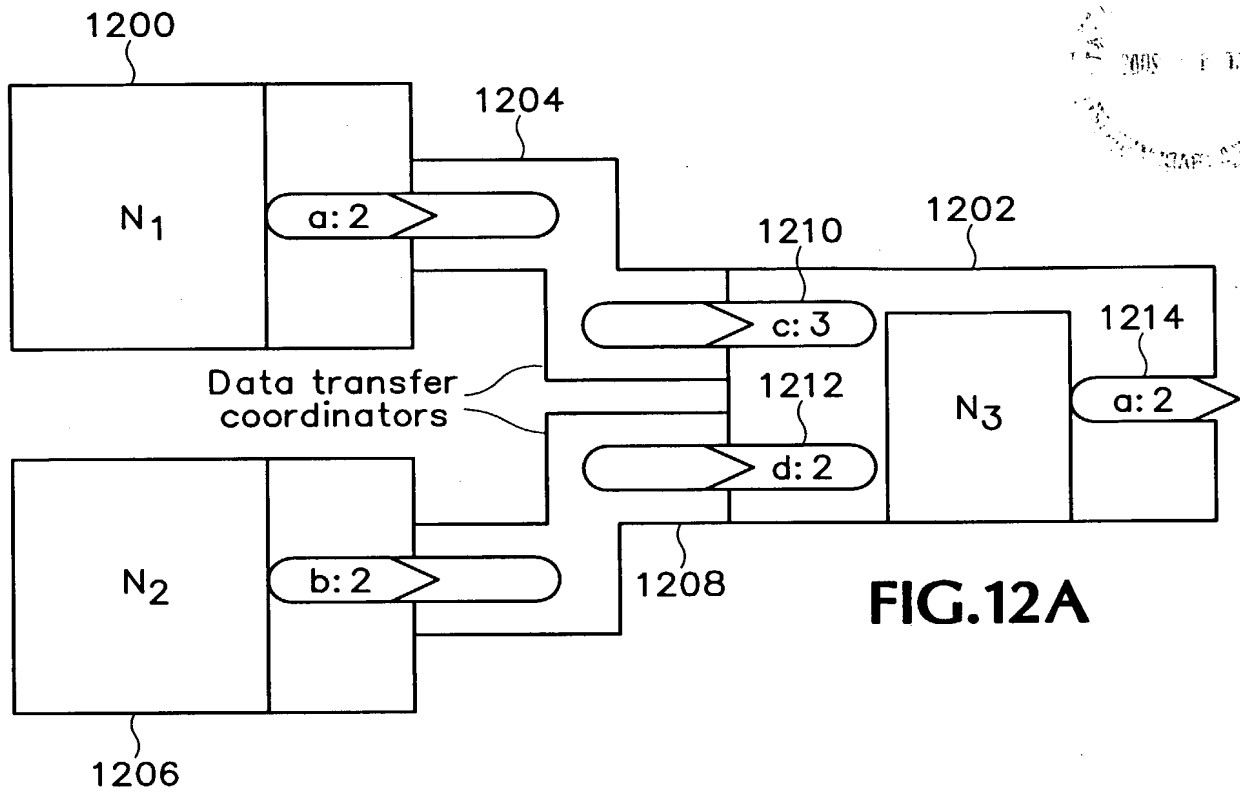


FIG. 12A

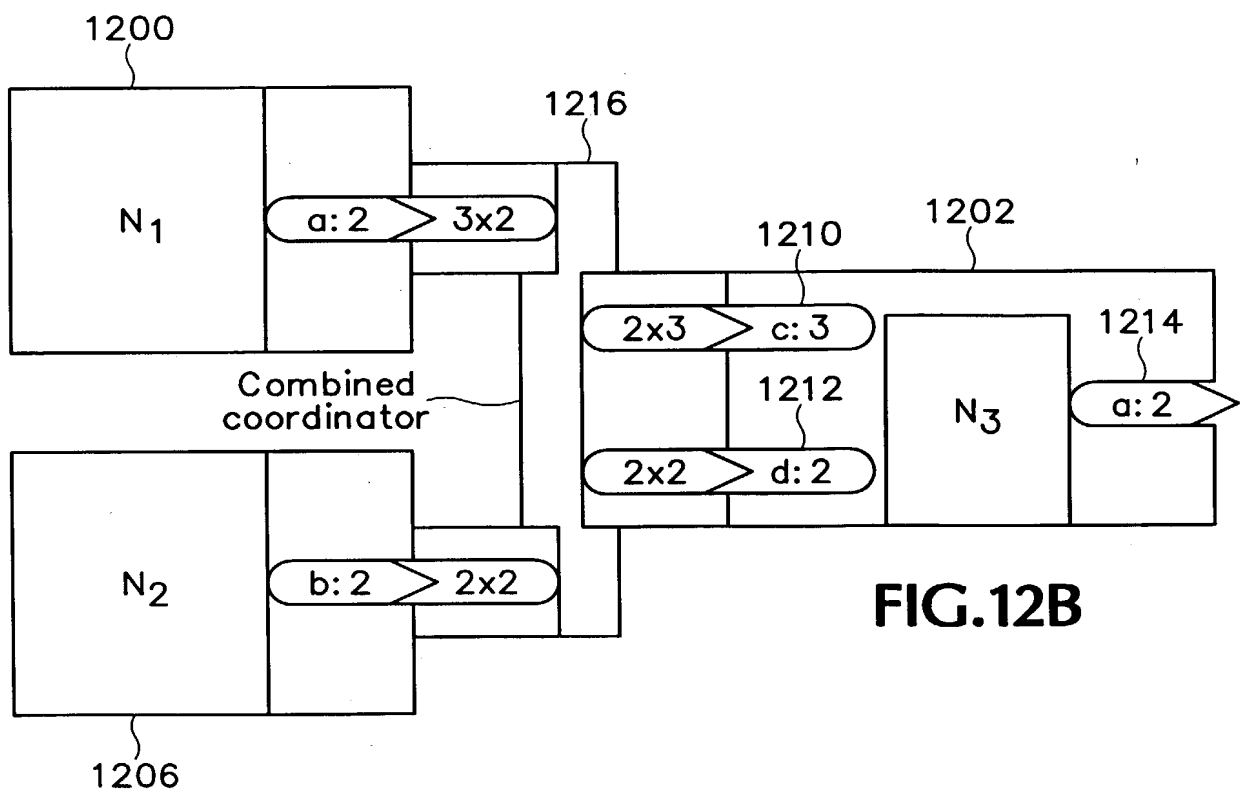
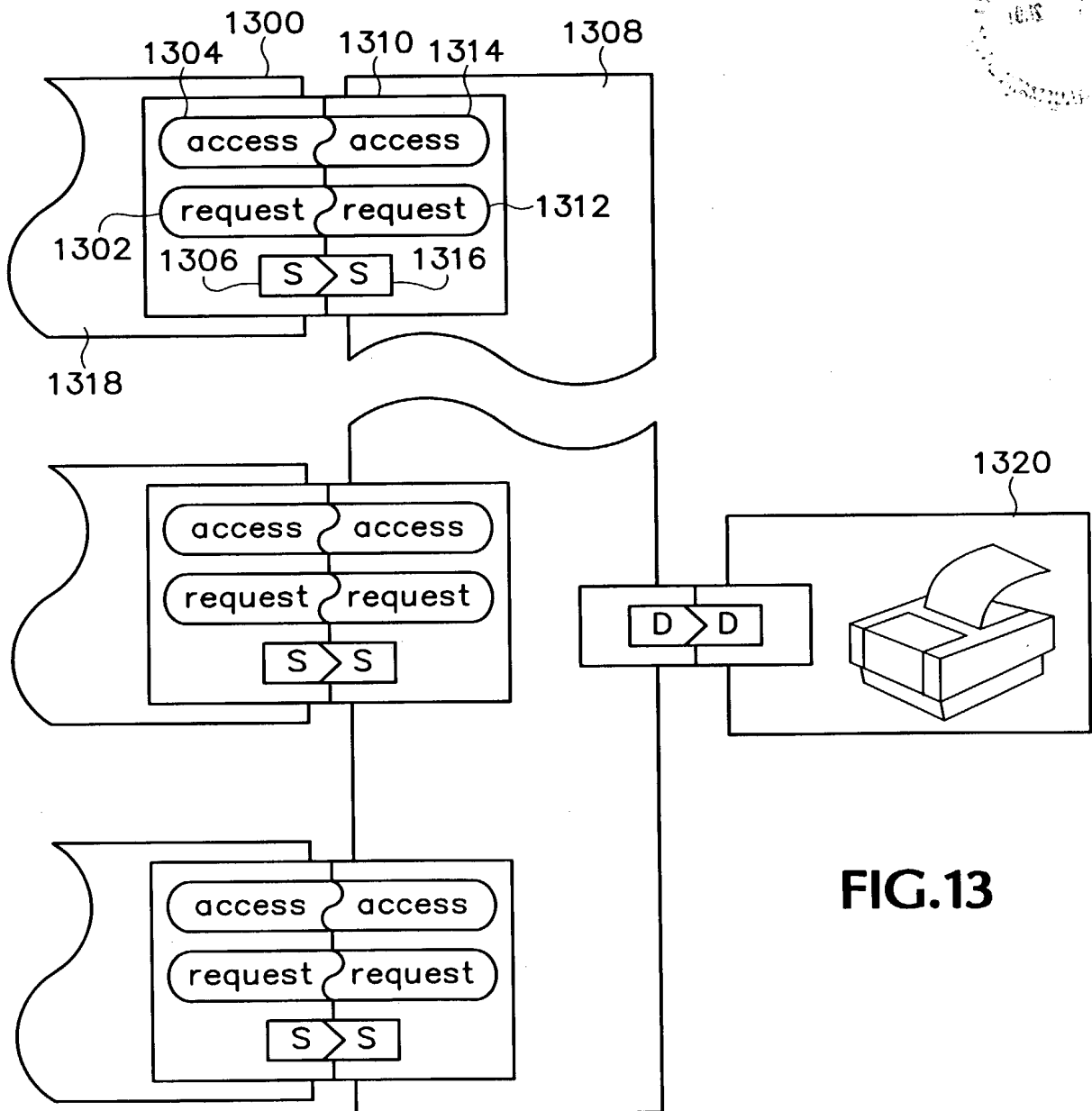


FIG. 12B



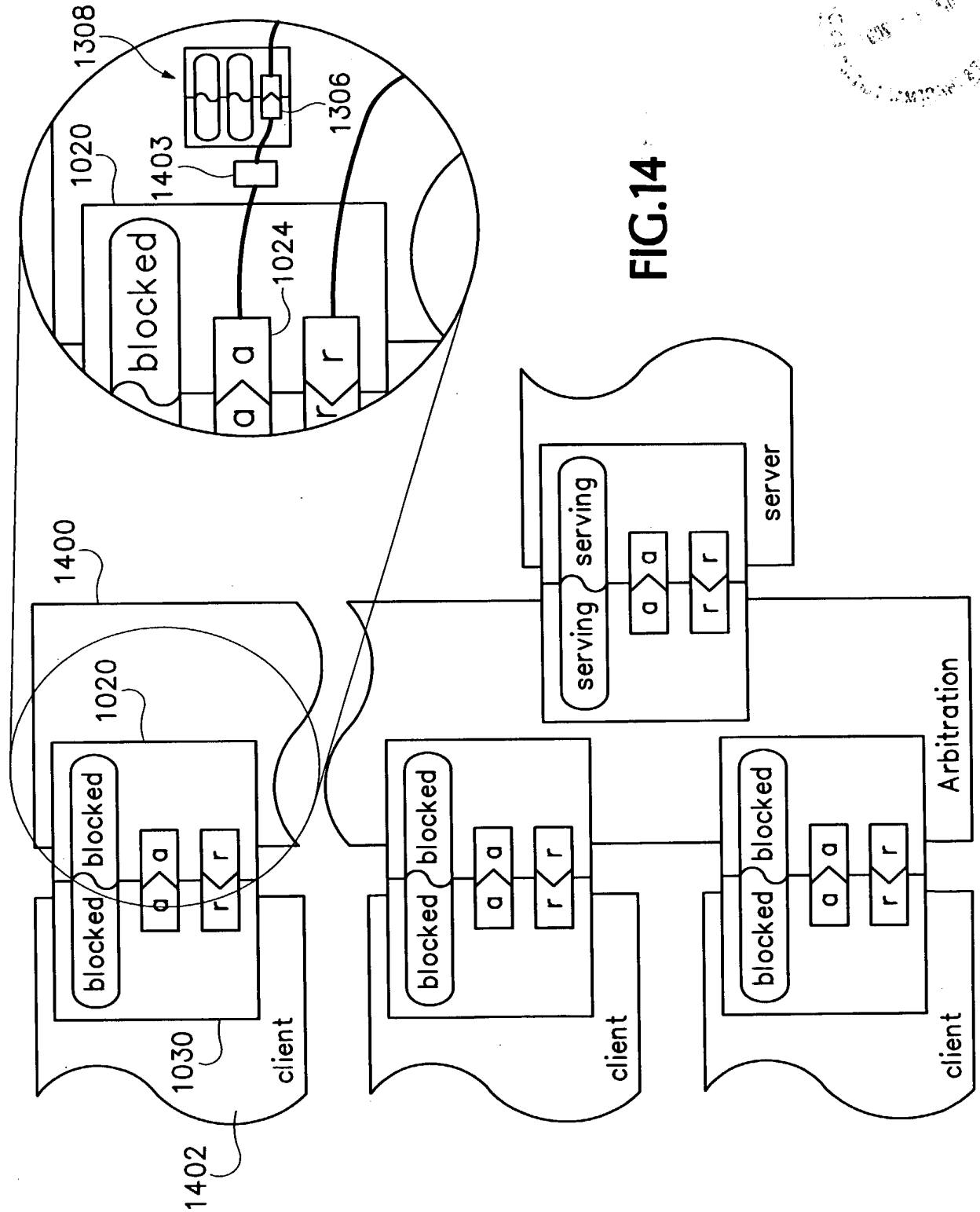


FIG. 14

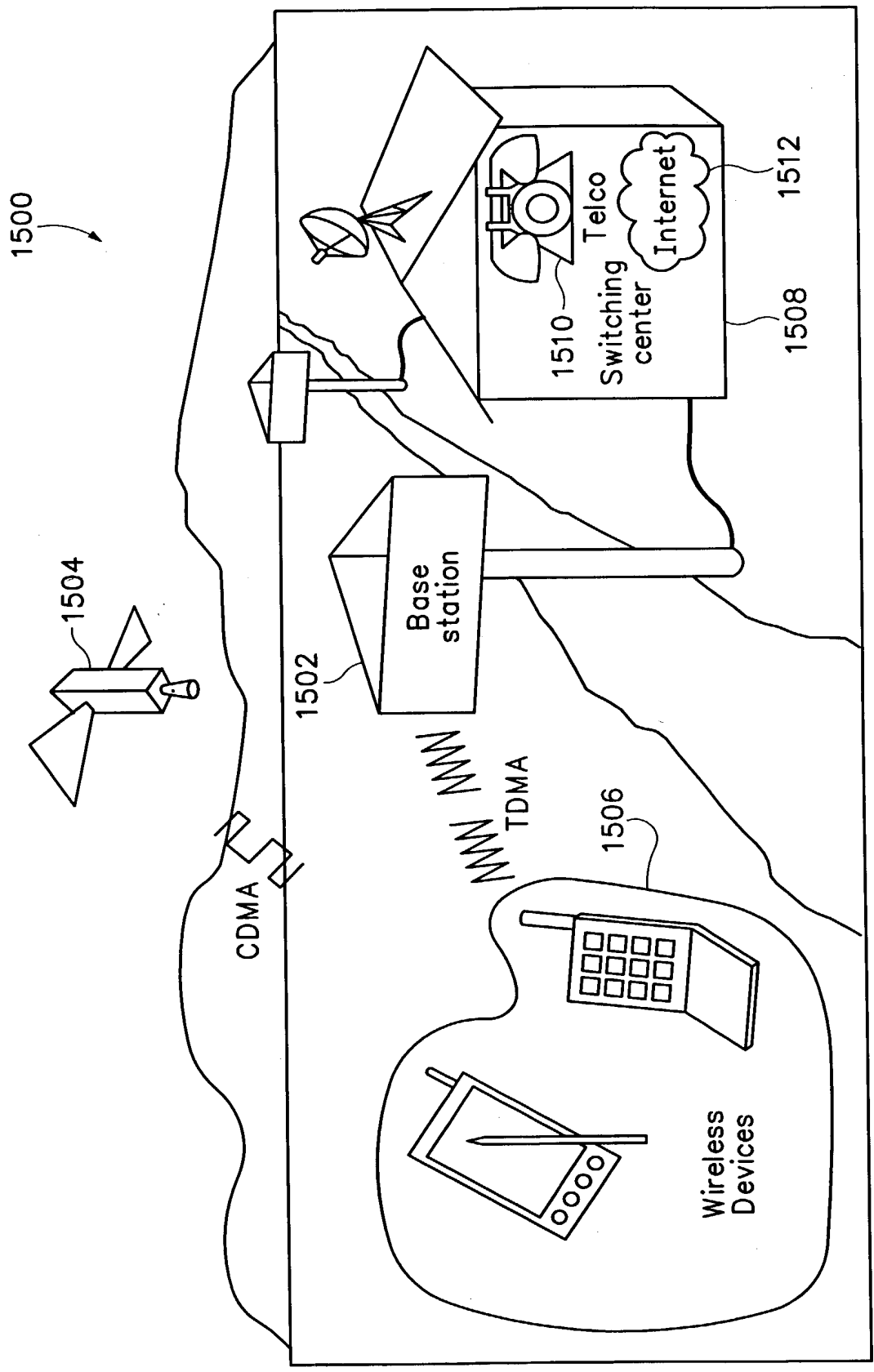


FIG.15

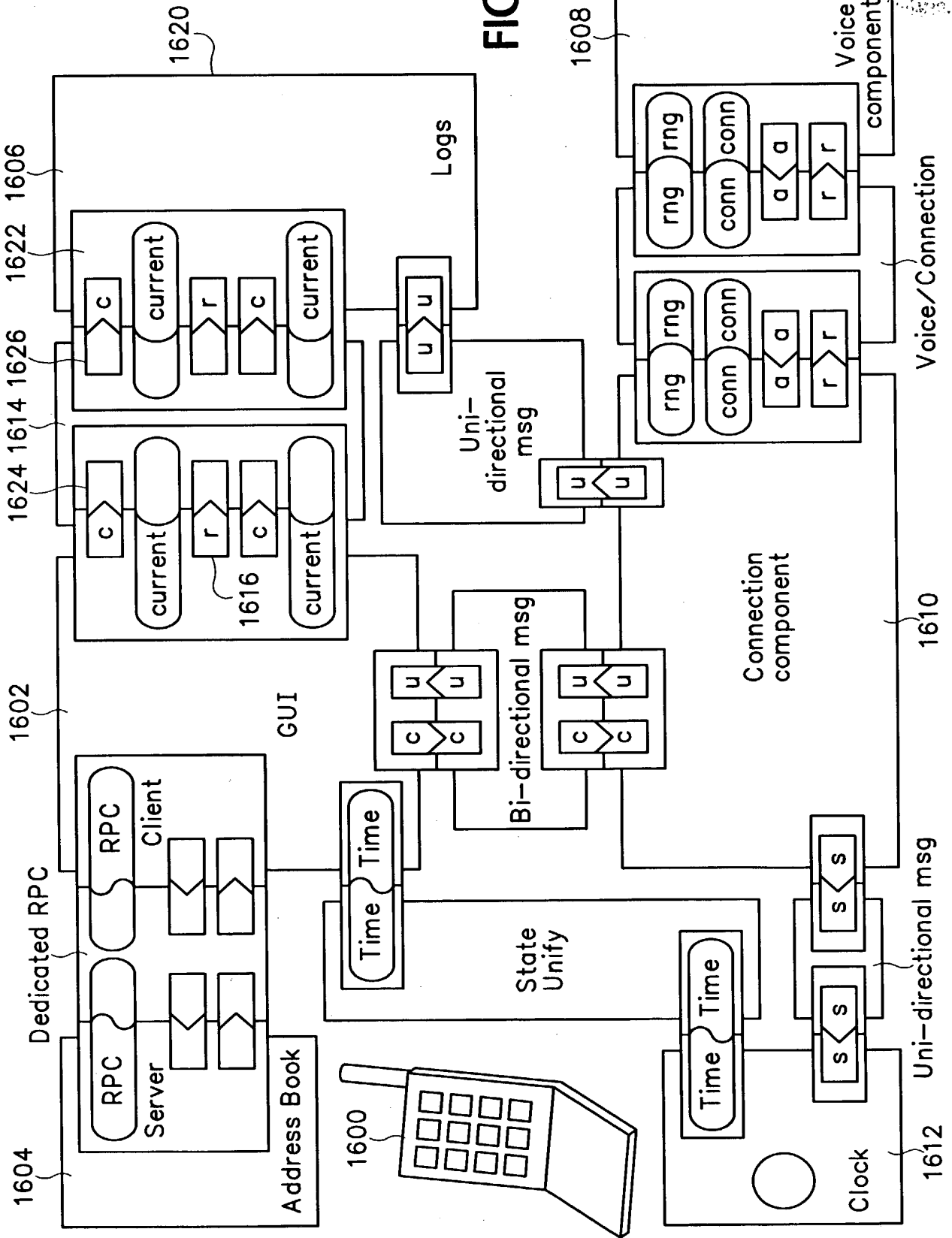
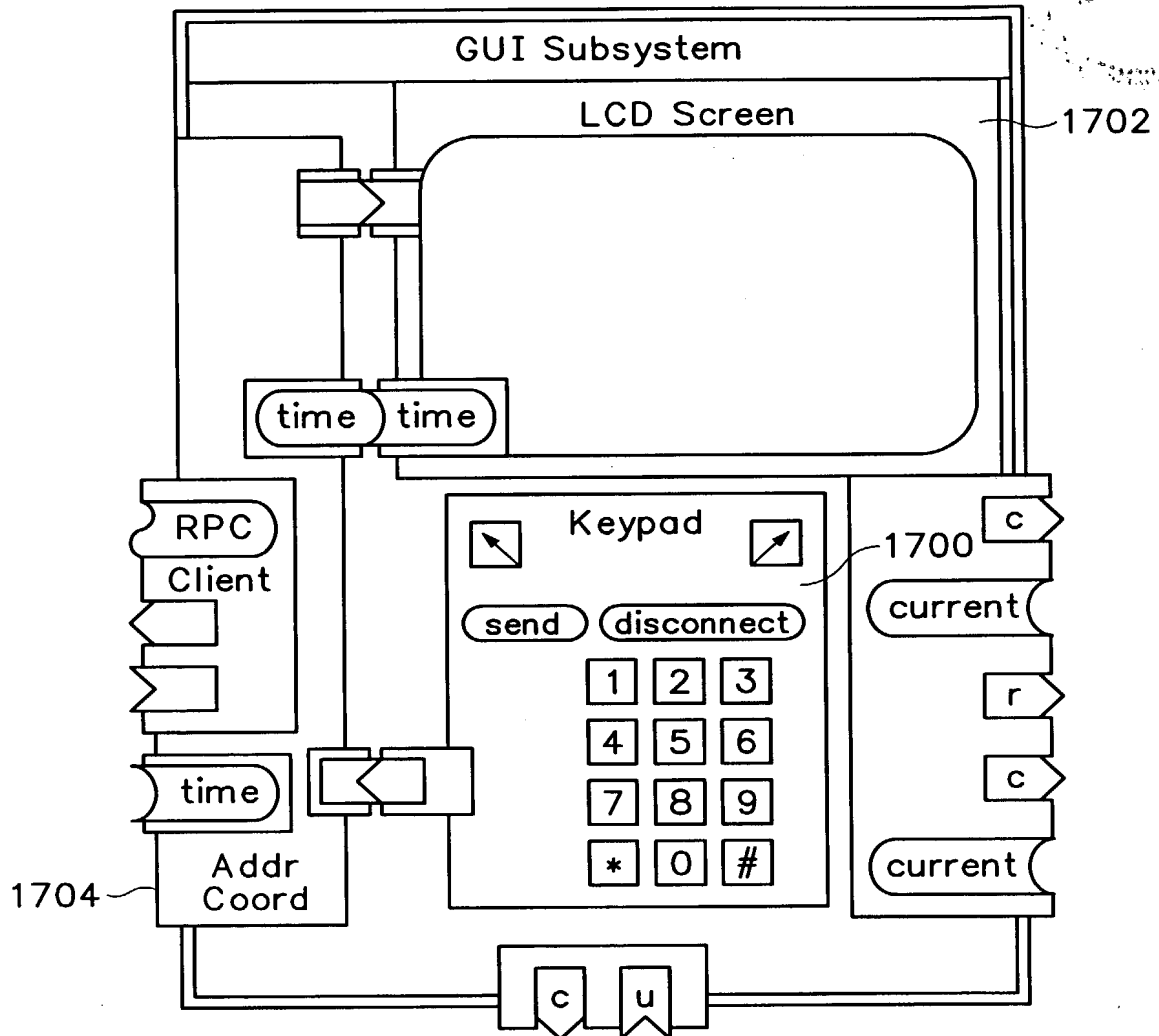
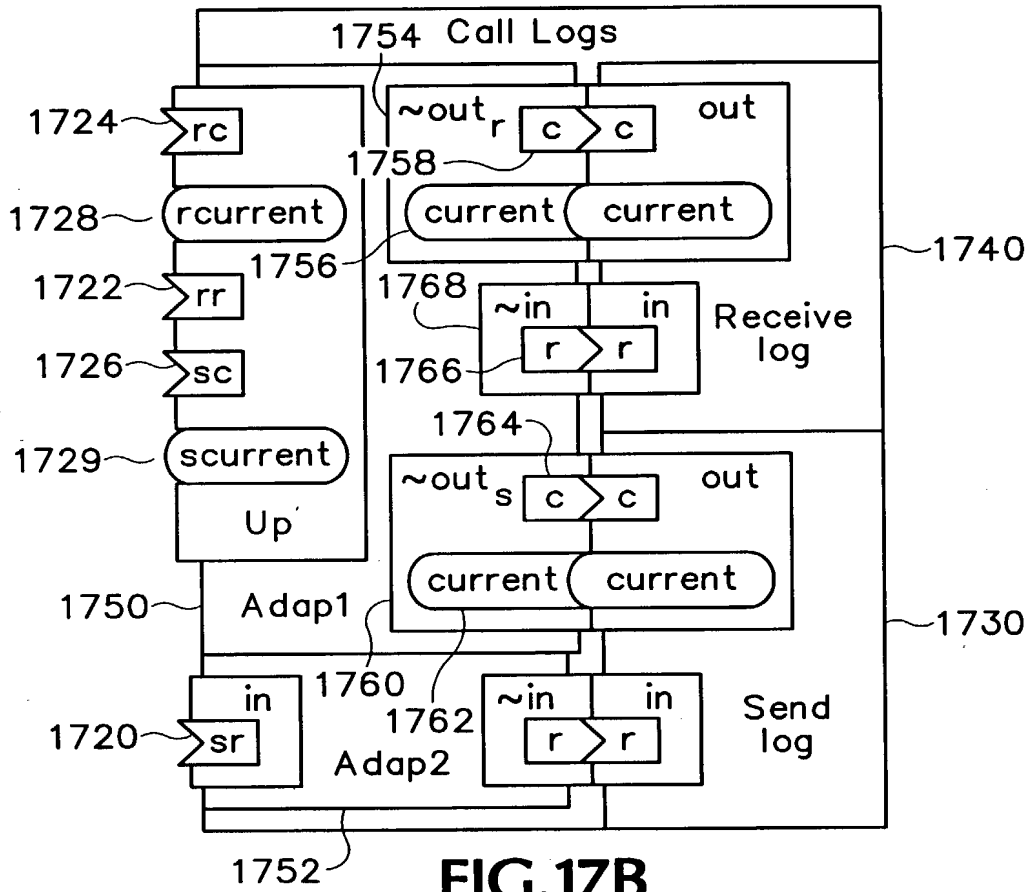
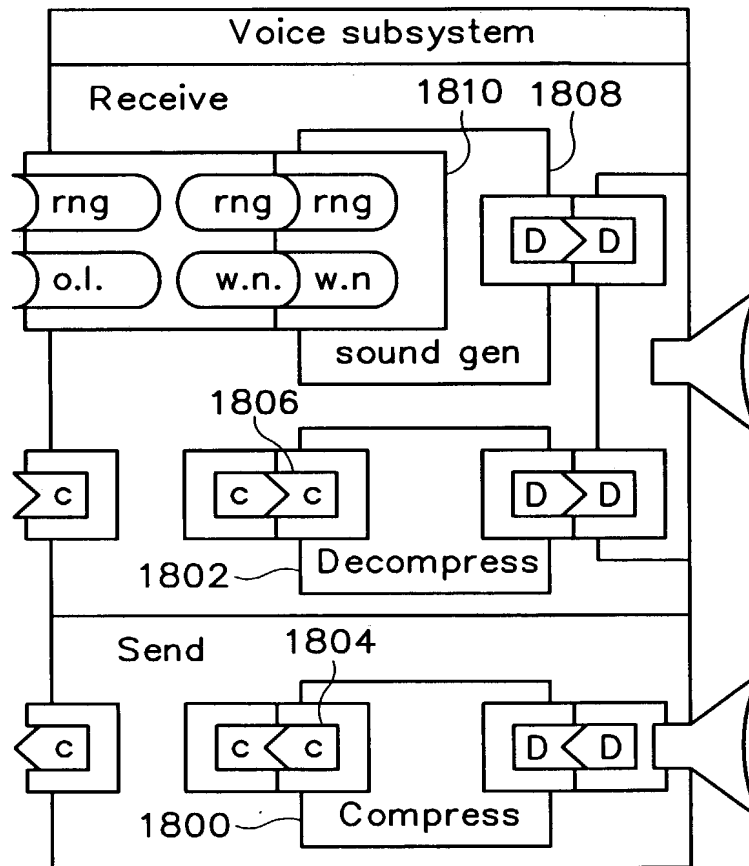


FIG.16

**FIG.17A**



**FIG.18A**



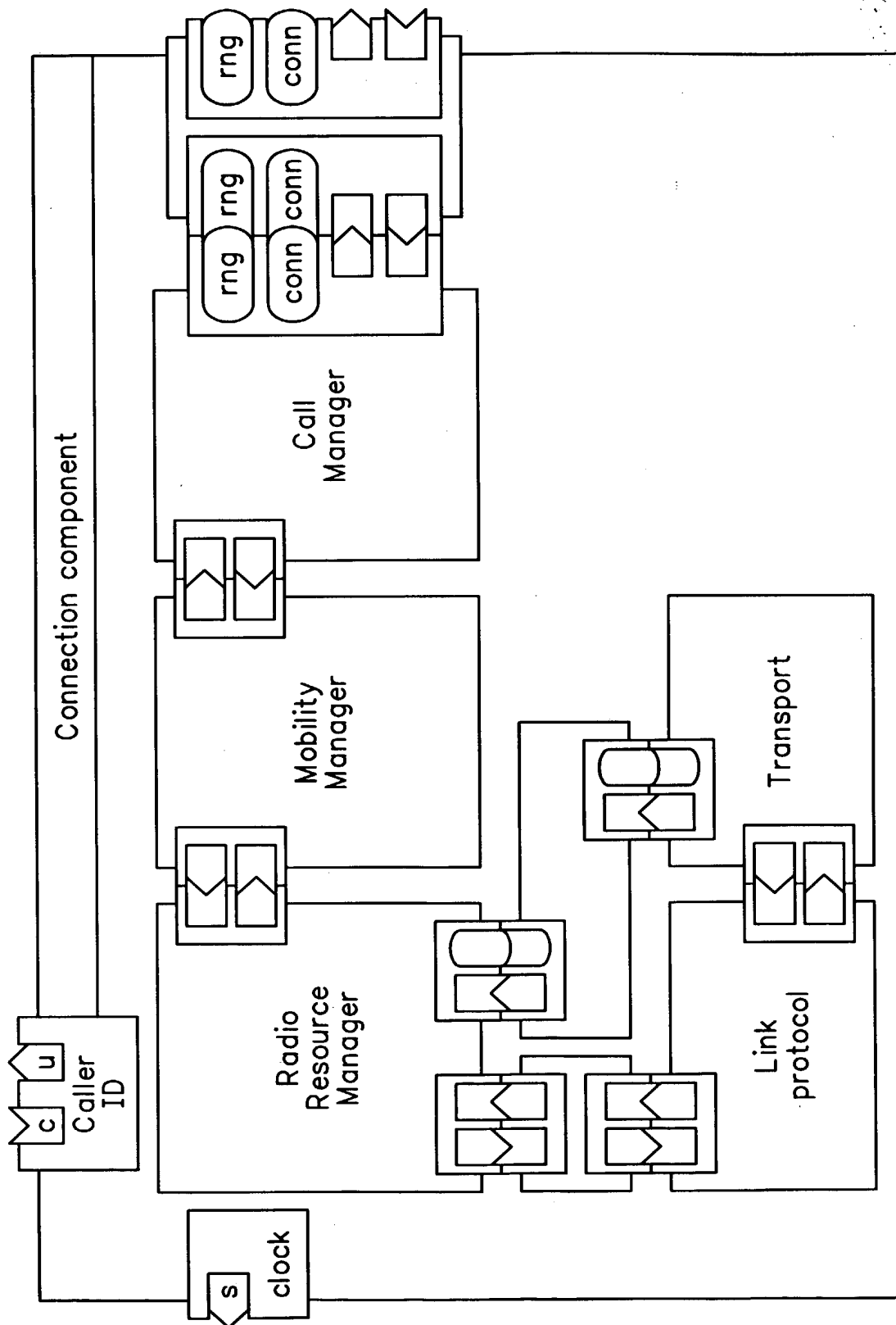


FIG.18B

09885448 .101901

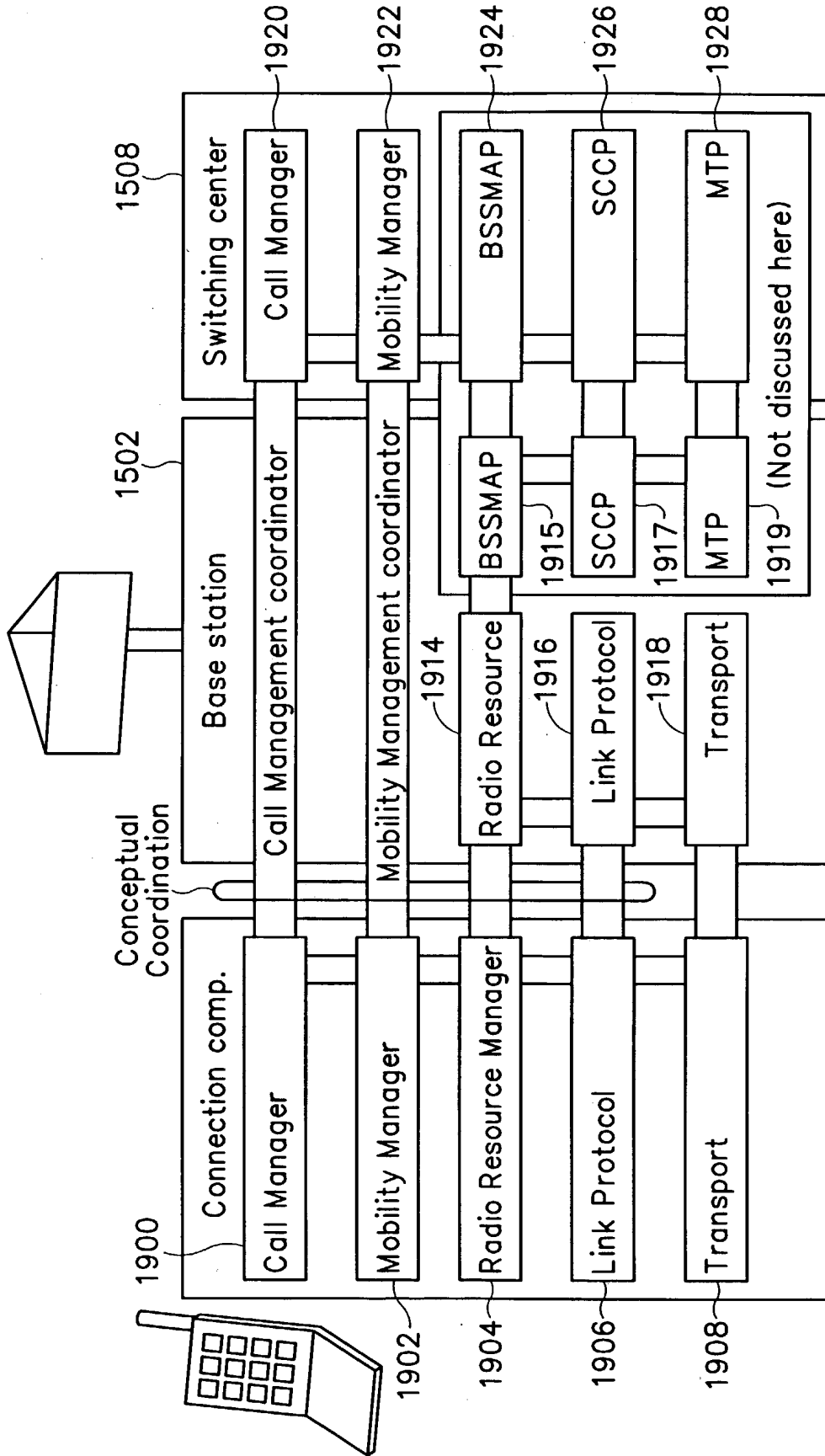


FIG.19

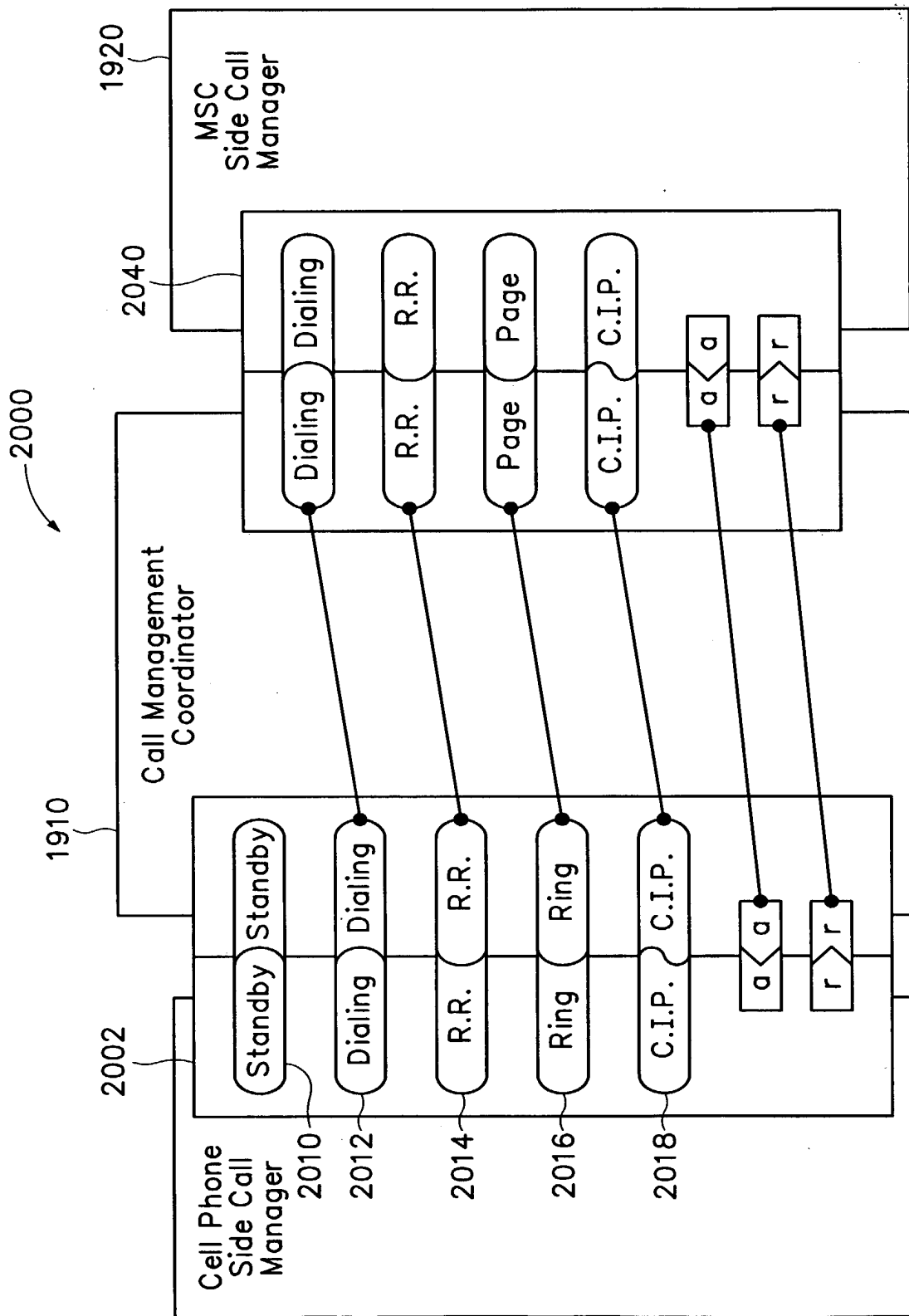
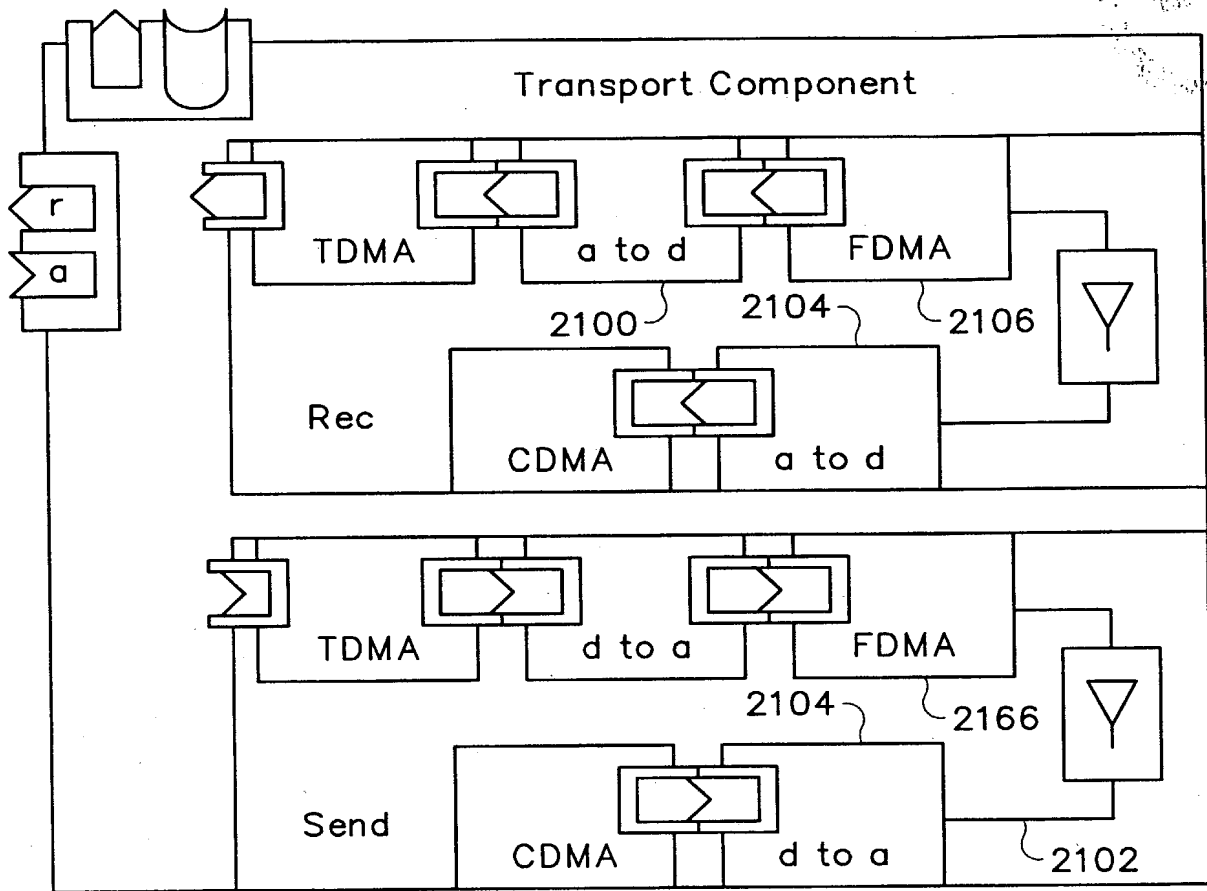
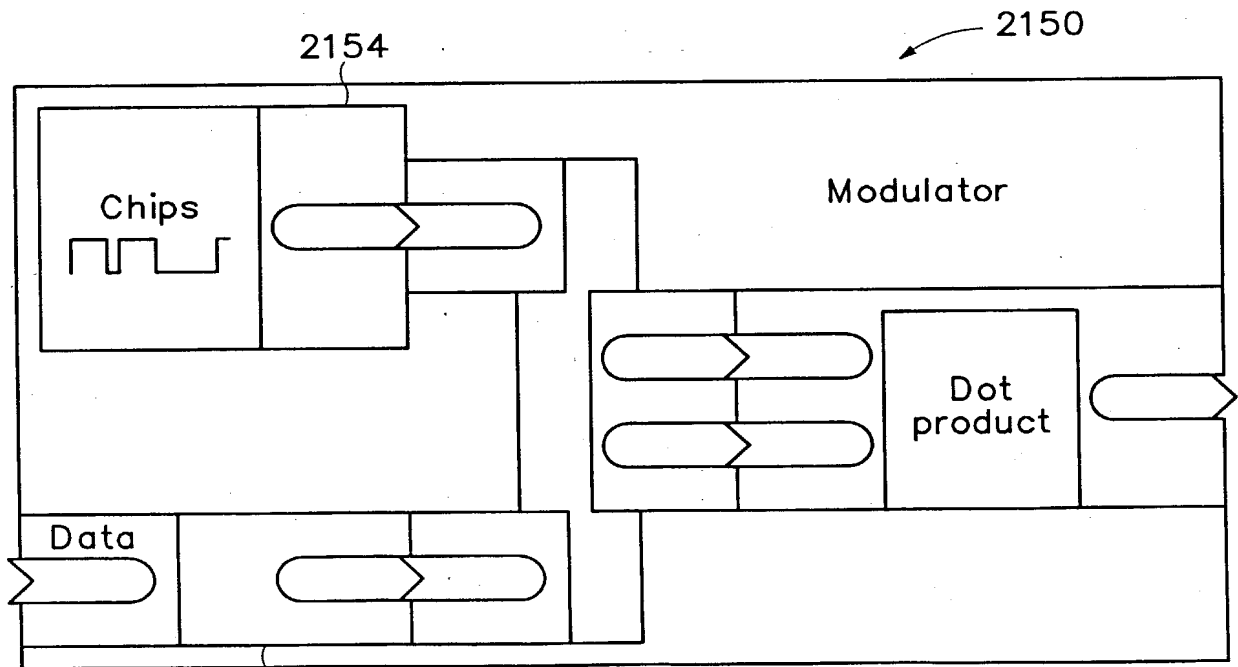


FIG.20

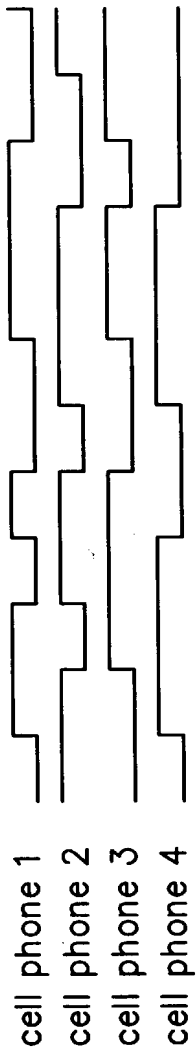
106101 444586



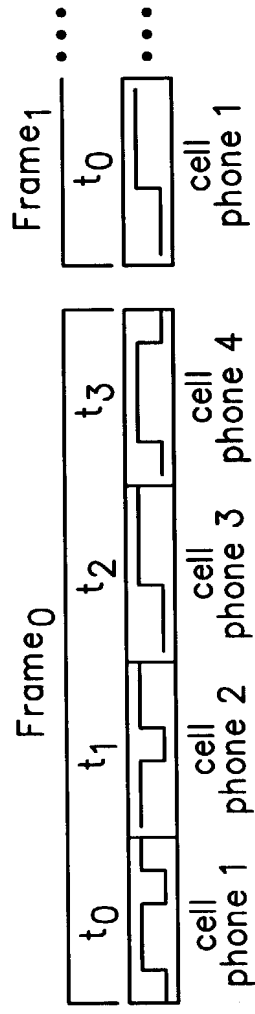
**FIG.21A**



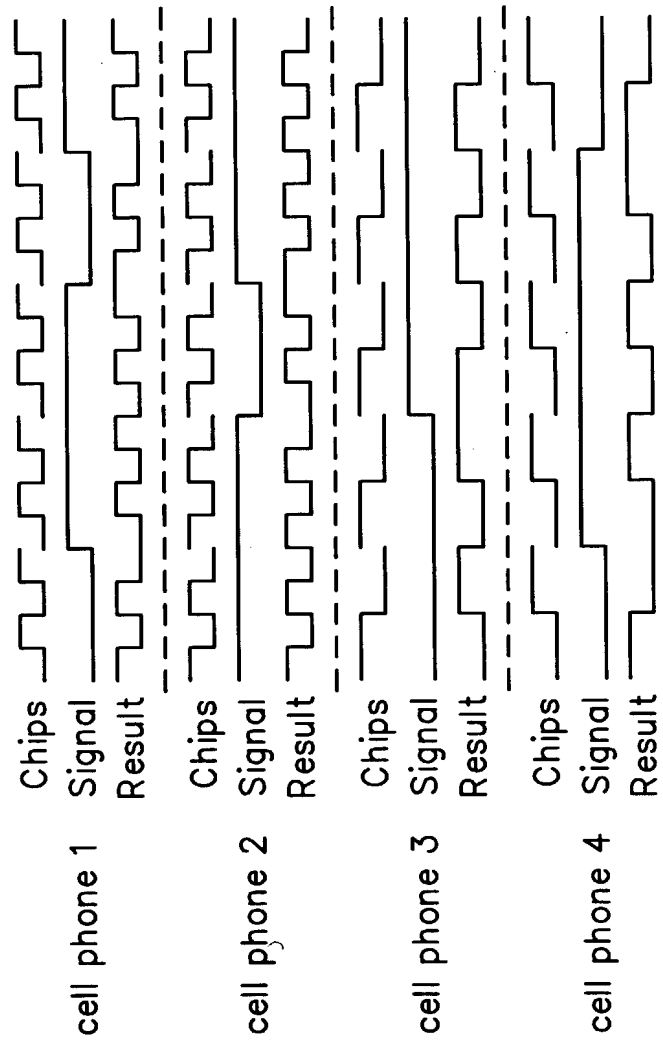
**FIG.21B**



Signals



TDMA

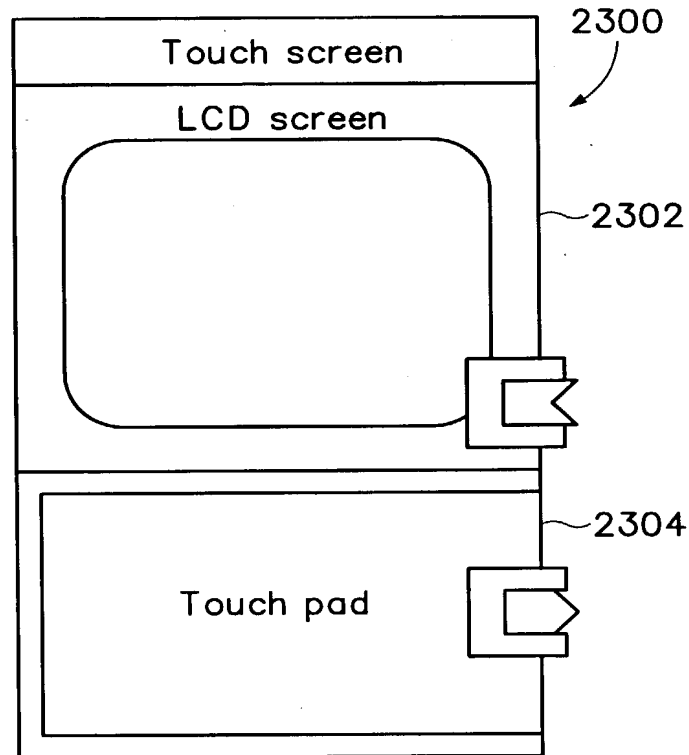


CDMA

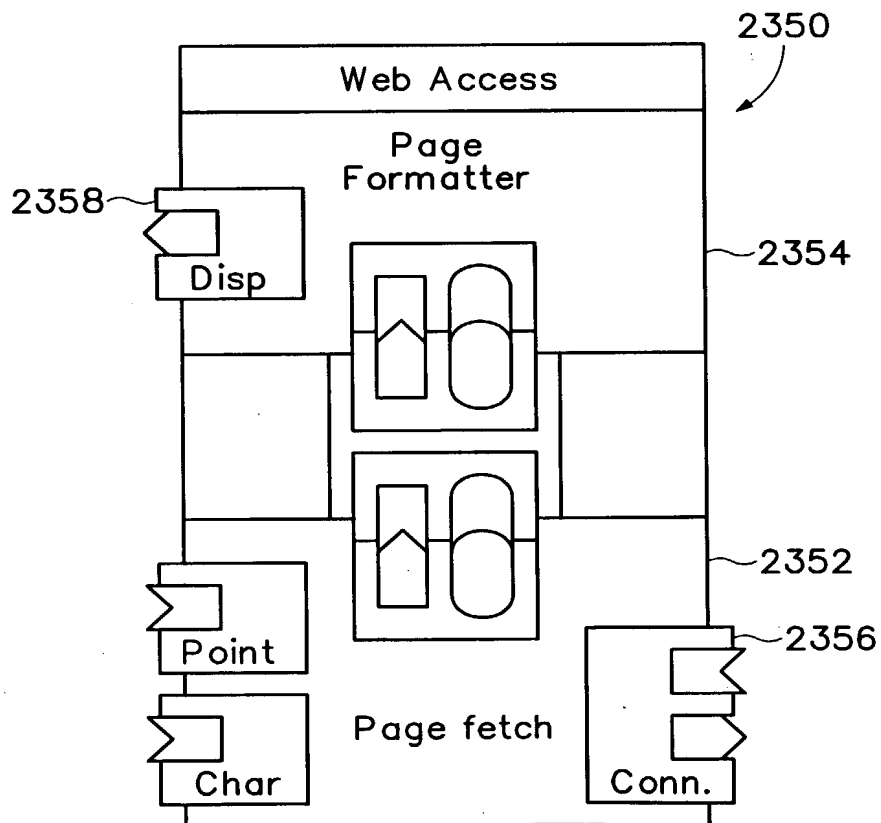
FIG.22

09885448 101901





**FIG. 23A**



**FIG. 23B**

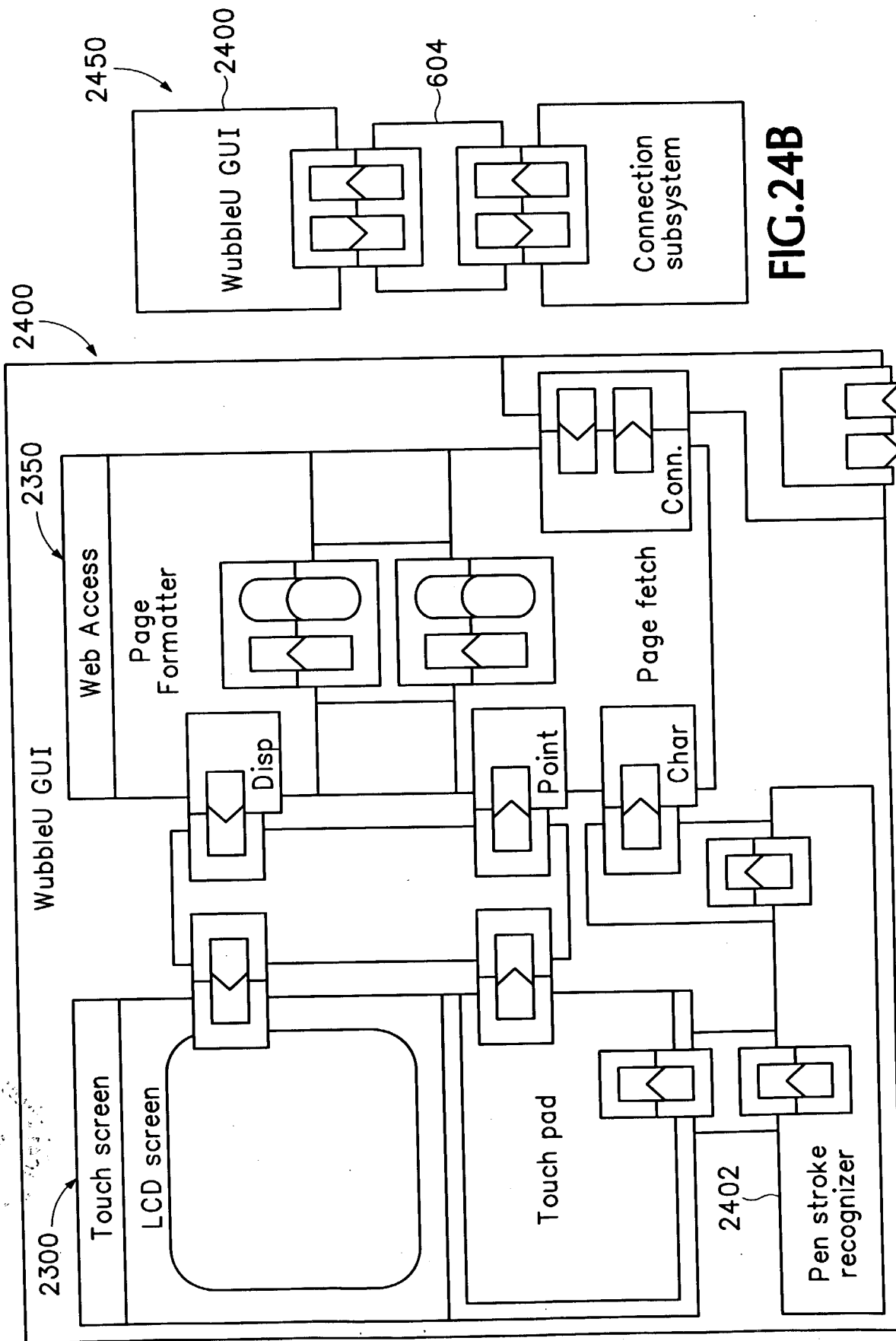
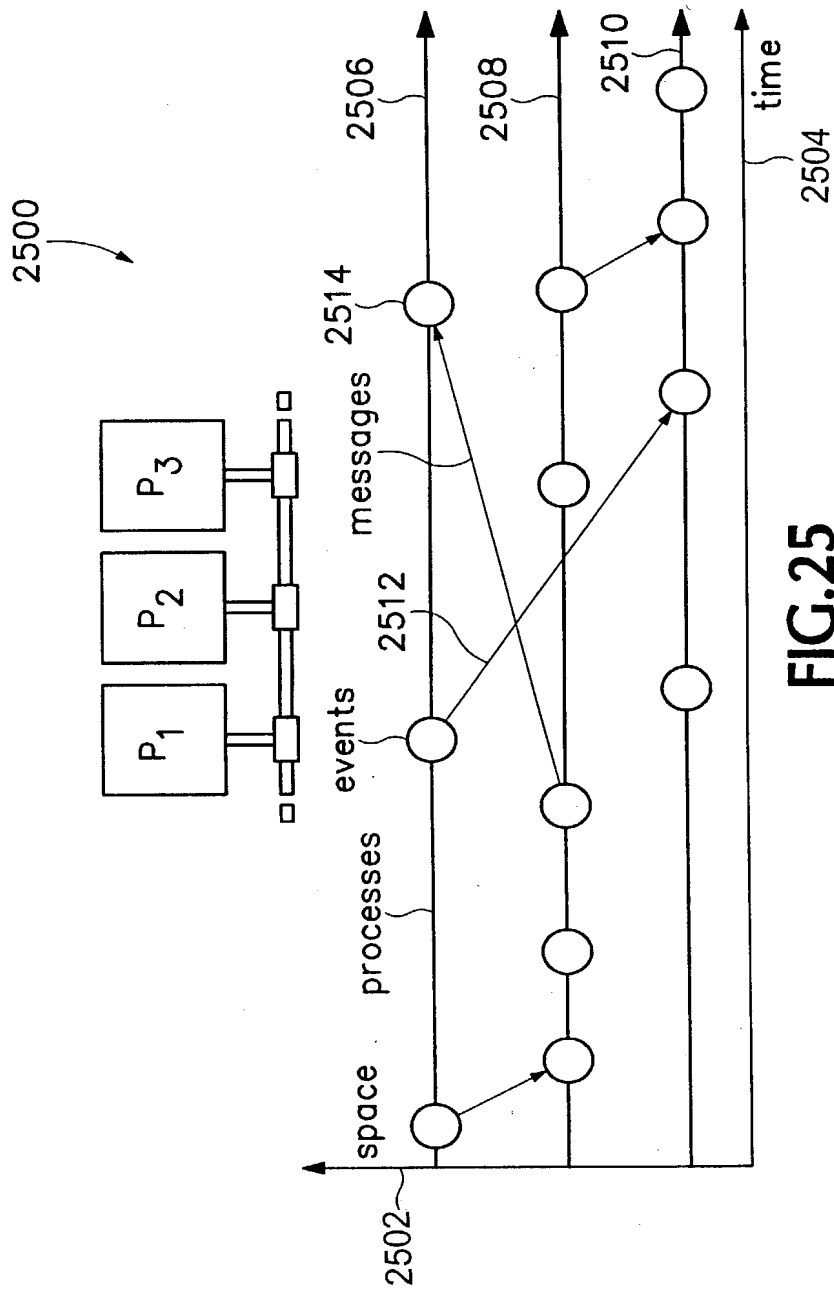


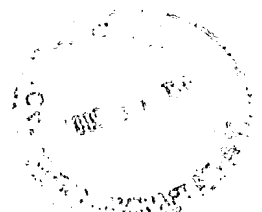
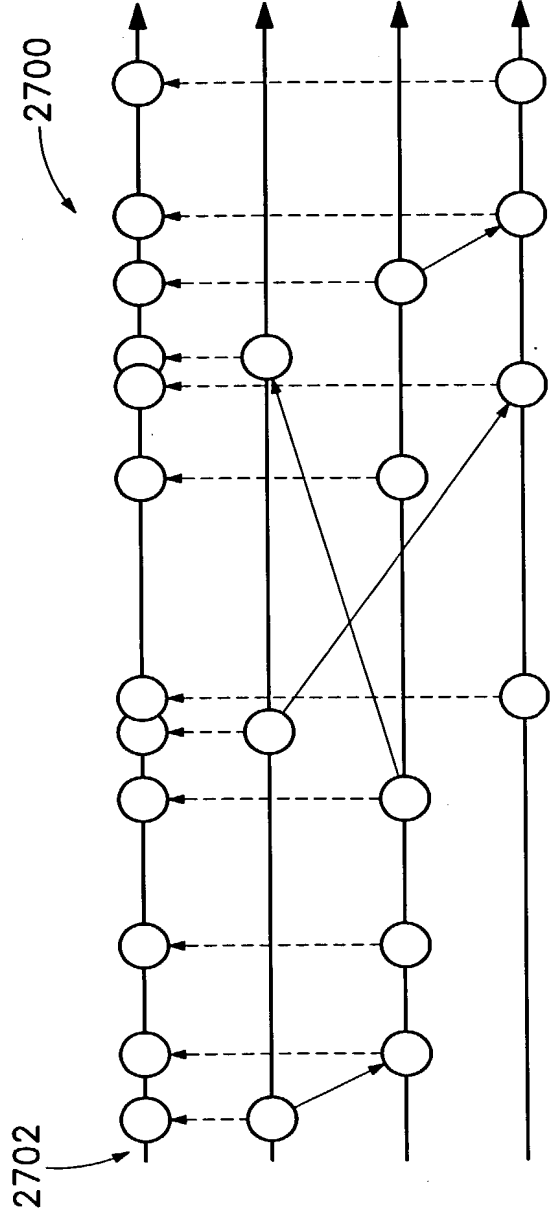
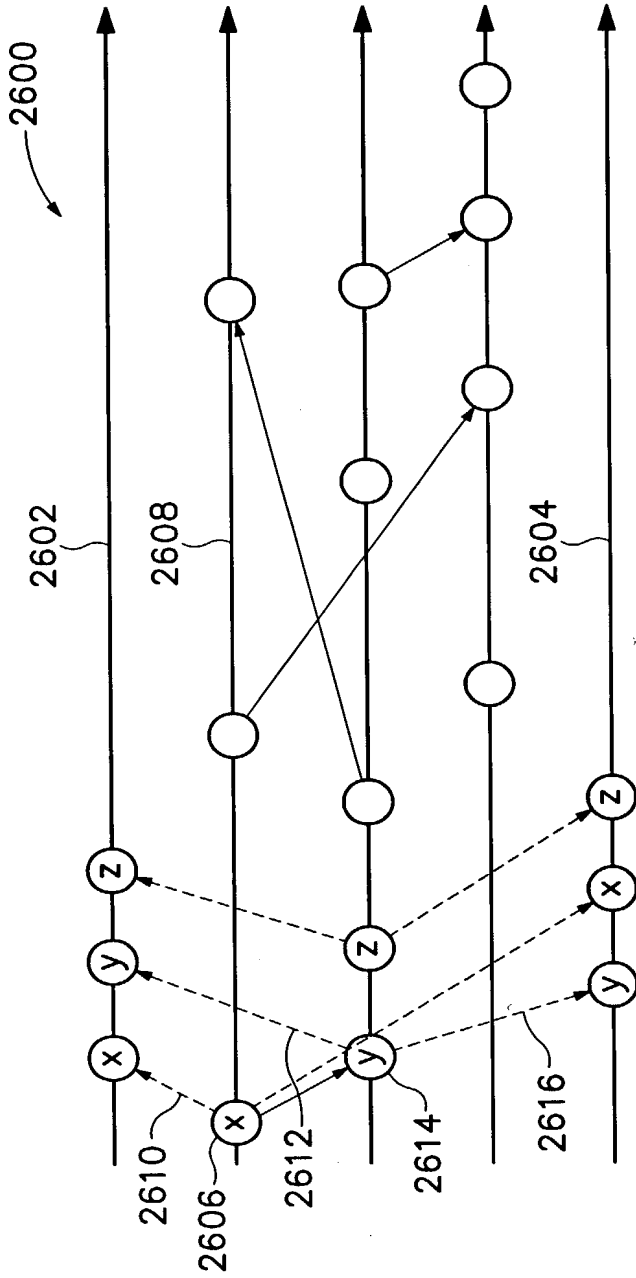
FIG. 24B

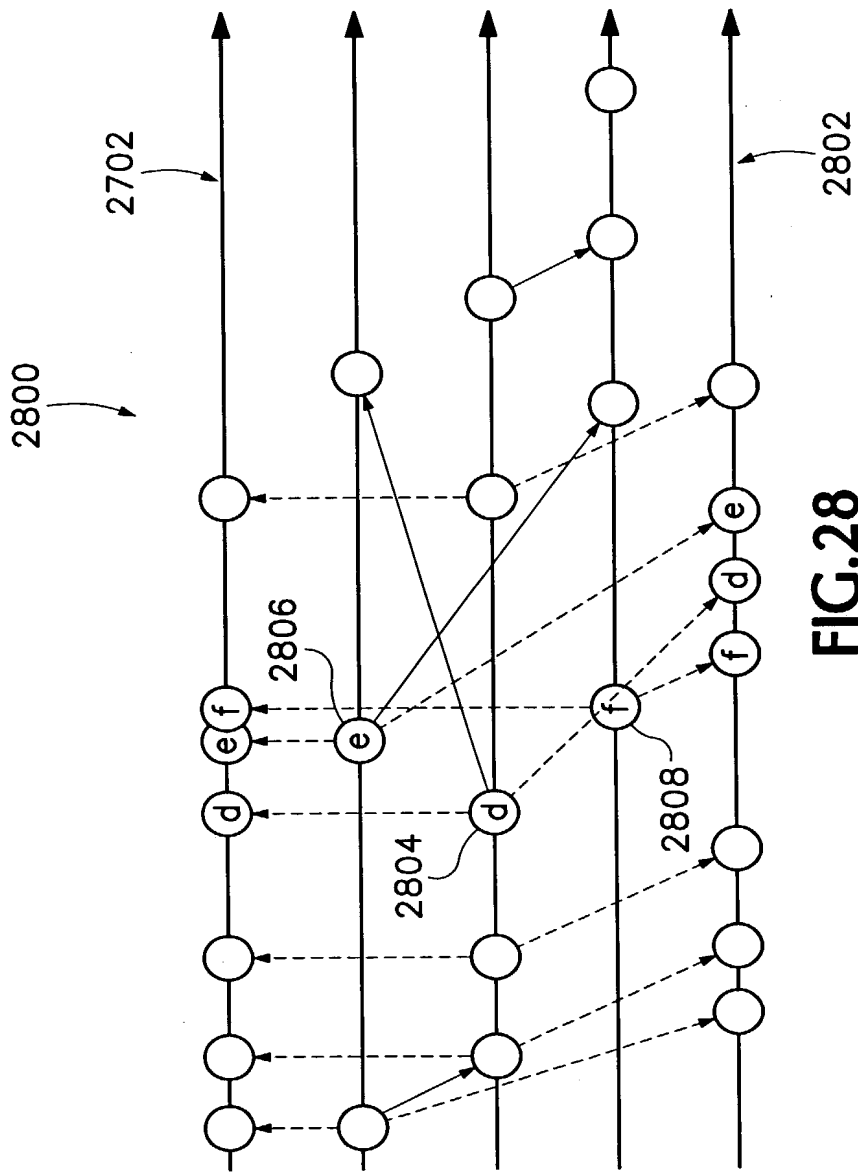
FIG. 24A



**FIG.25**  
(PRIOR ART)

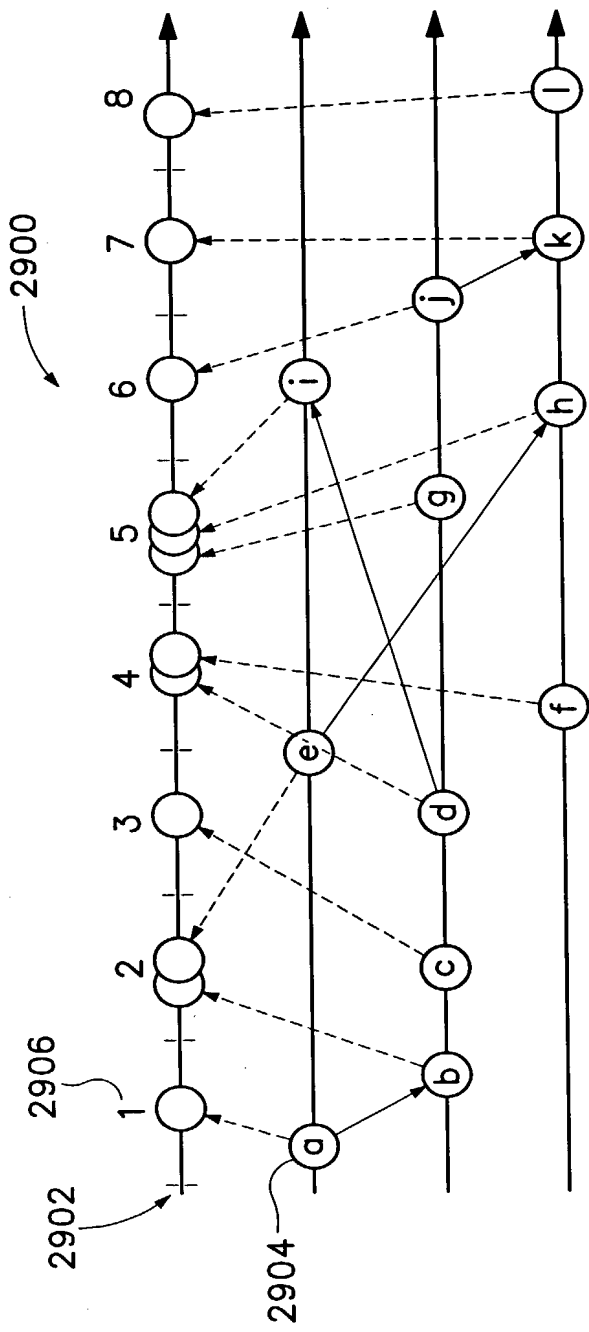




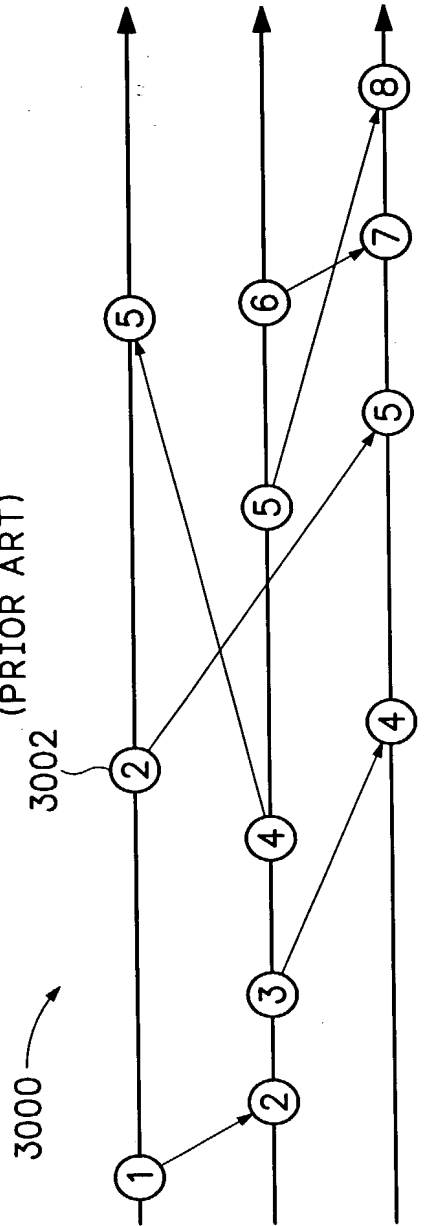


**FIG.28**  
(PRIOR ART)

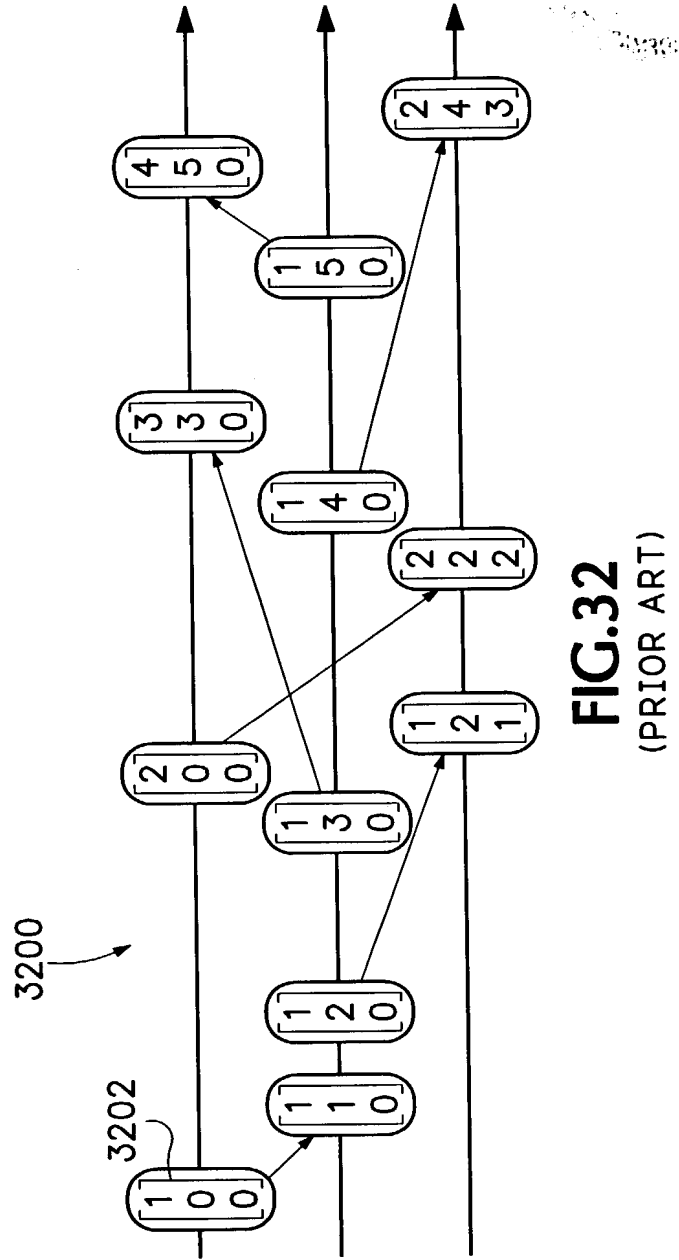
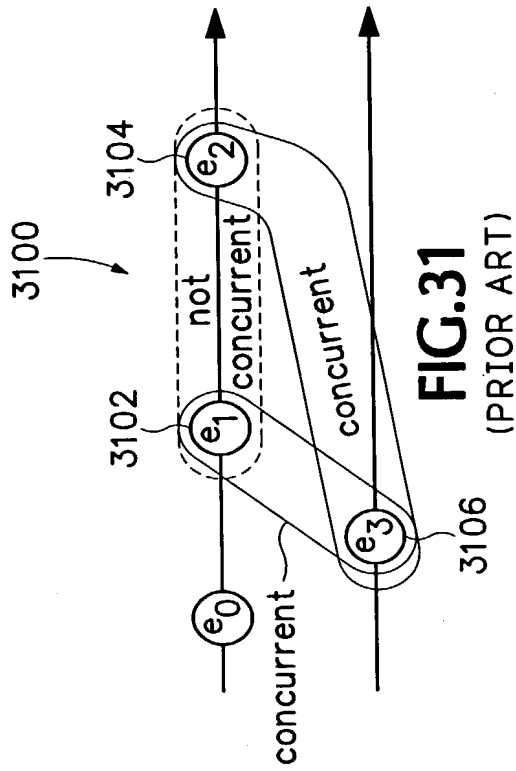


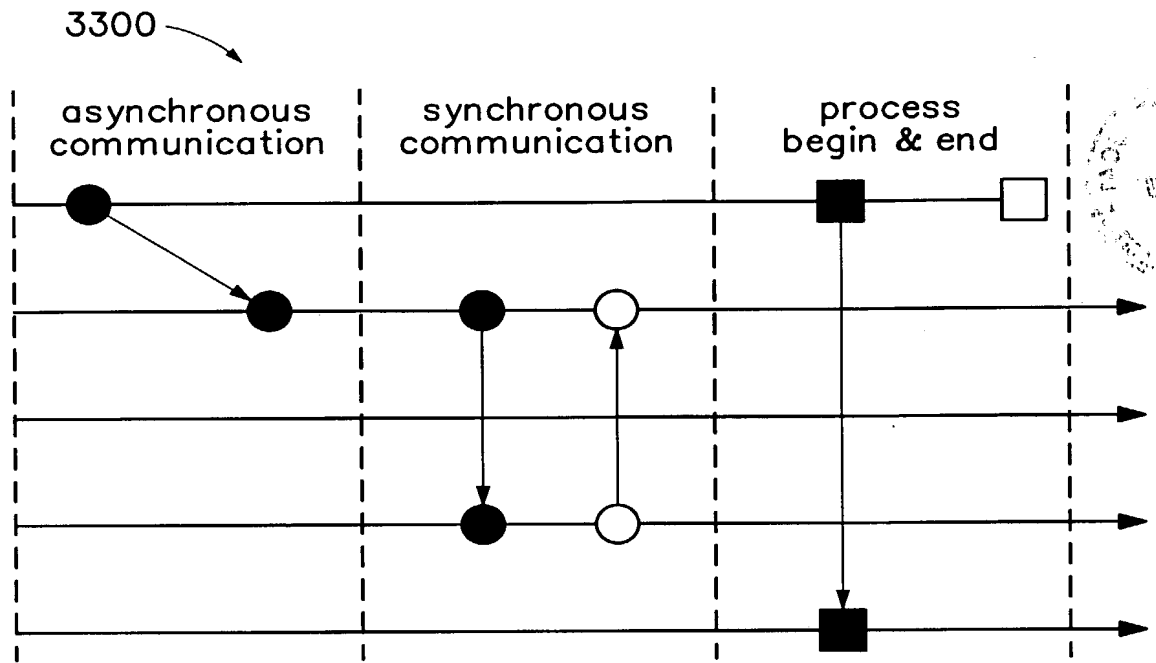


**FIG. 29**  
(PRIOR ART)

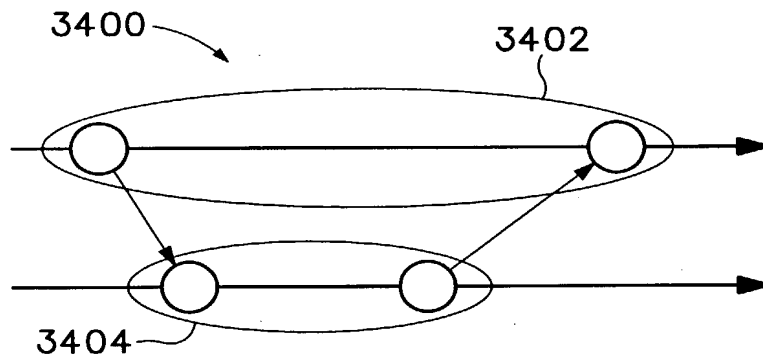


**FIG. 30**  
(PRIOR ART)

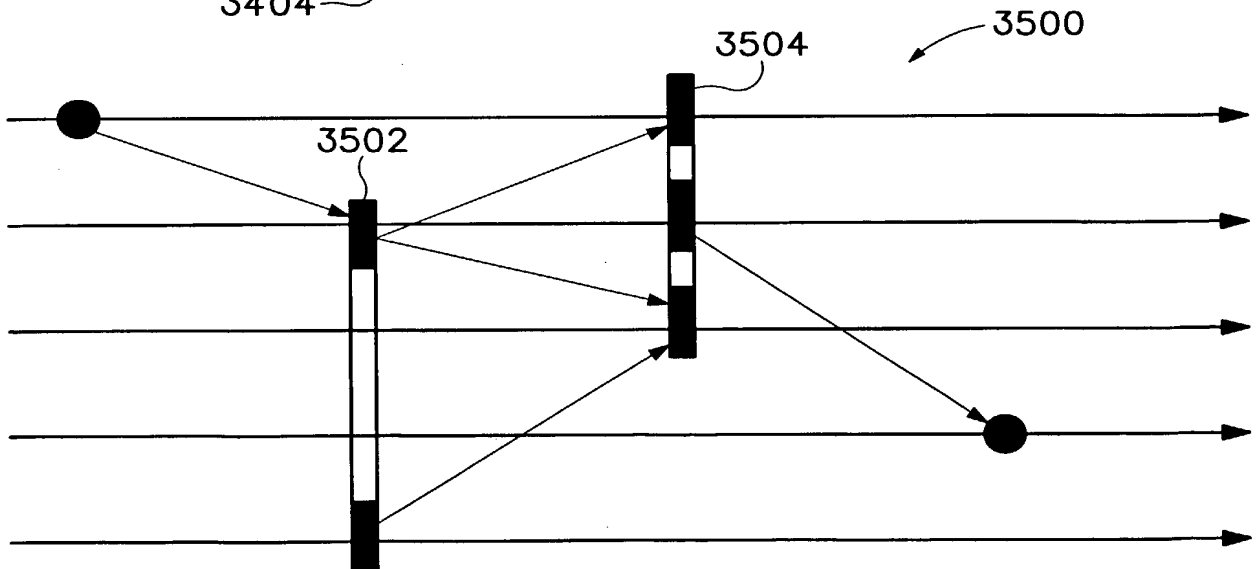




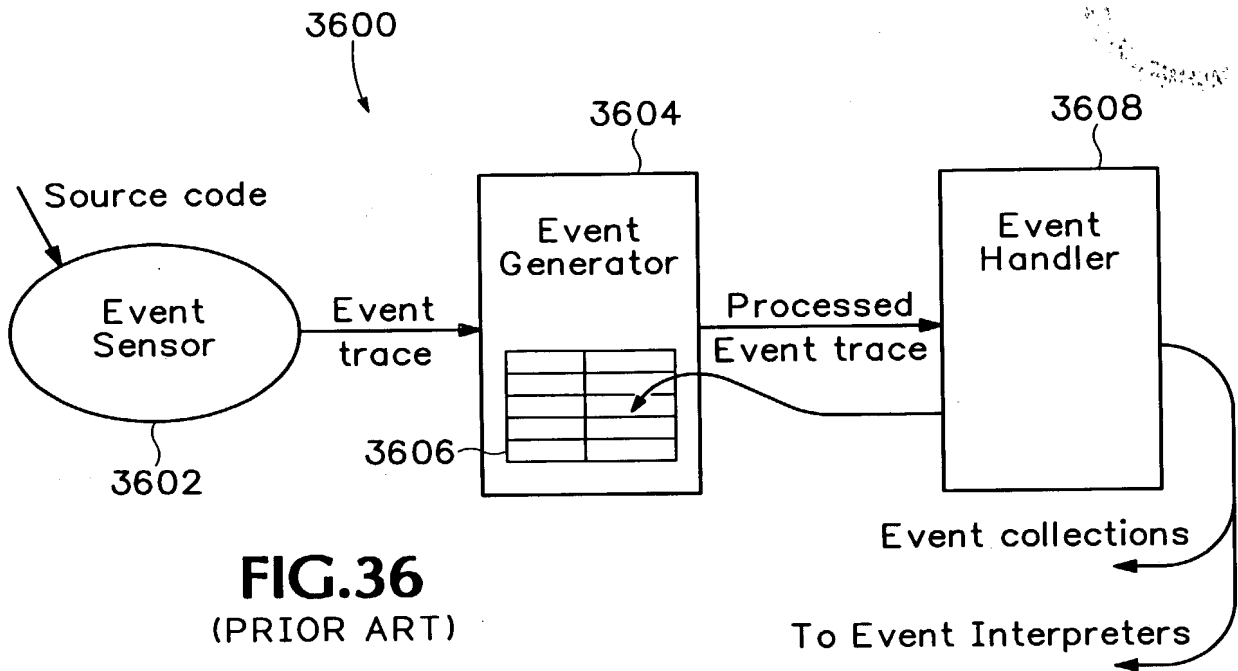
**FIG.33**  
(PRIOR ART)



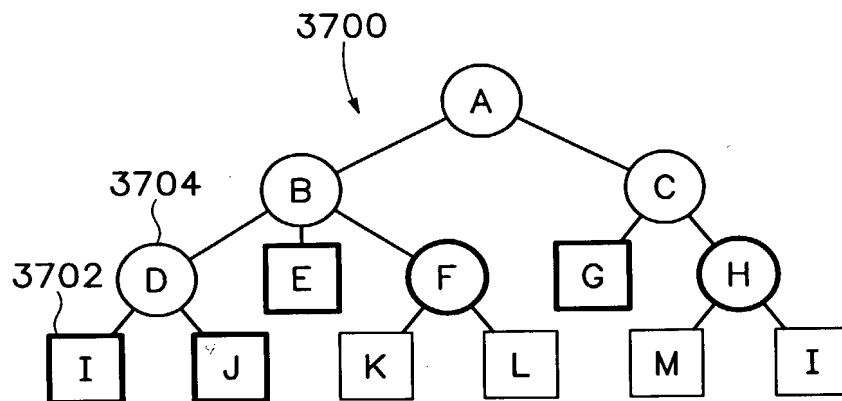
**FIG.34**  
(PRIOR ART)



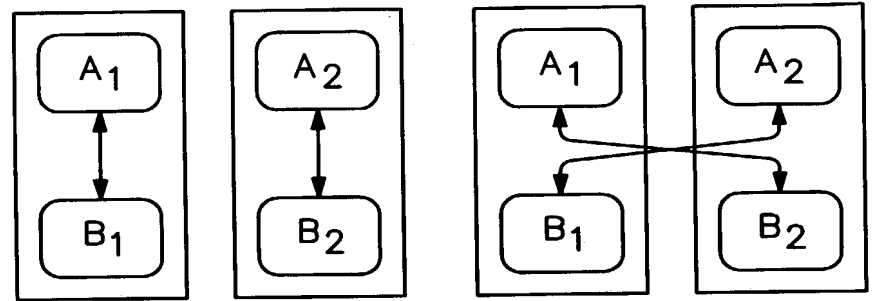
**FIG.35**  
(PRIOR ART)



**FIG.36**  
(PRIOR ART)

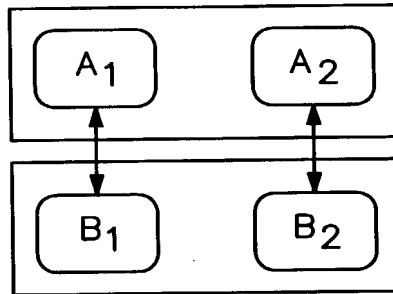


**FIG.37**  
(PRIOR ART)



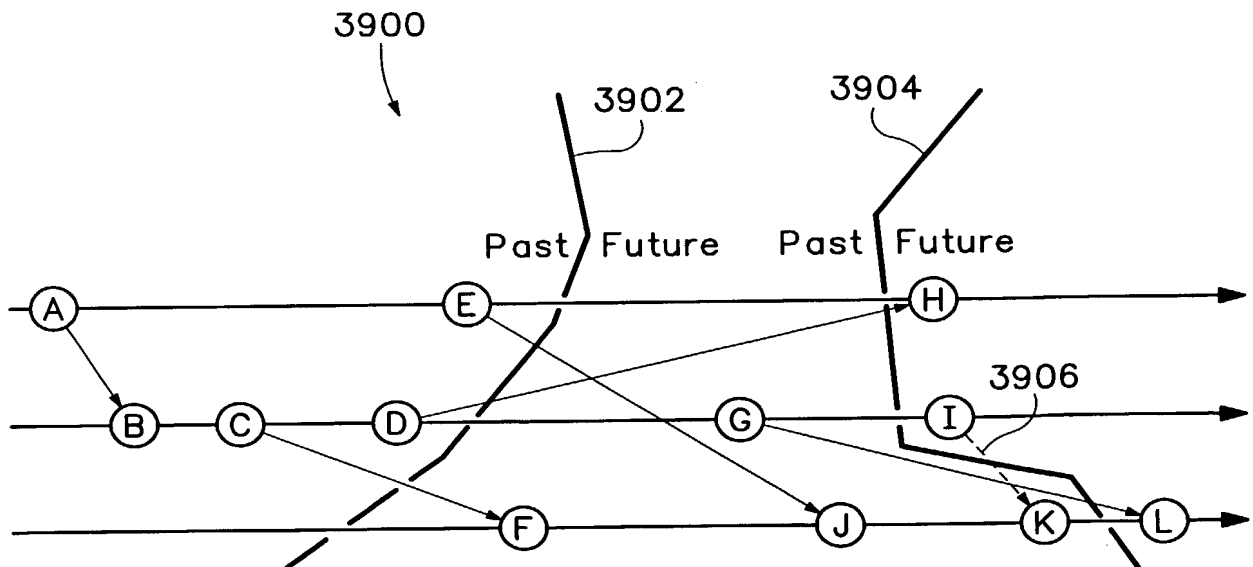
(a) Cohesion(P) = 1.0  
Coupling(P) = 0.5

(b) Cohesion(P) = 0.0  
Coupling(P) = 1.0

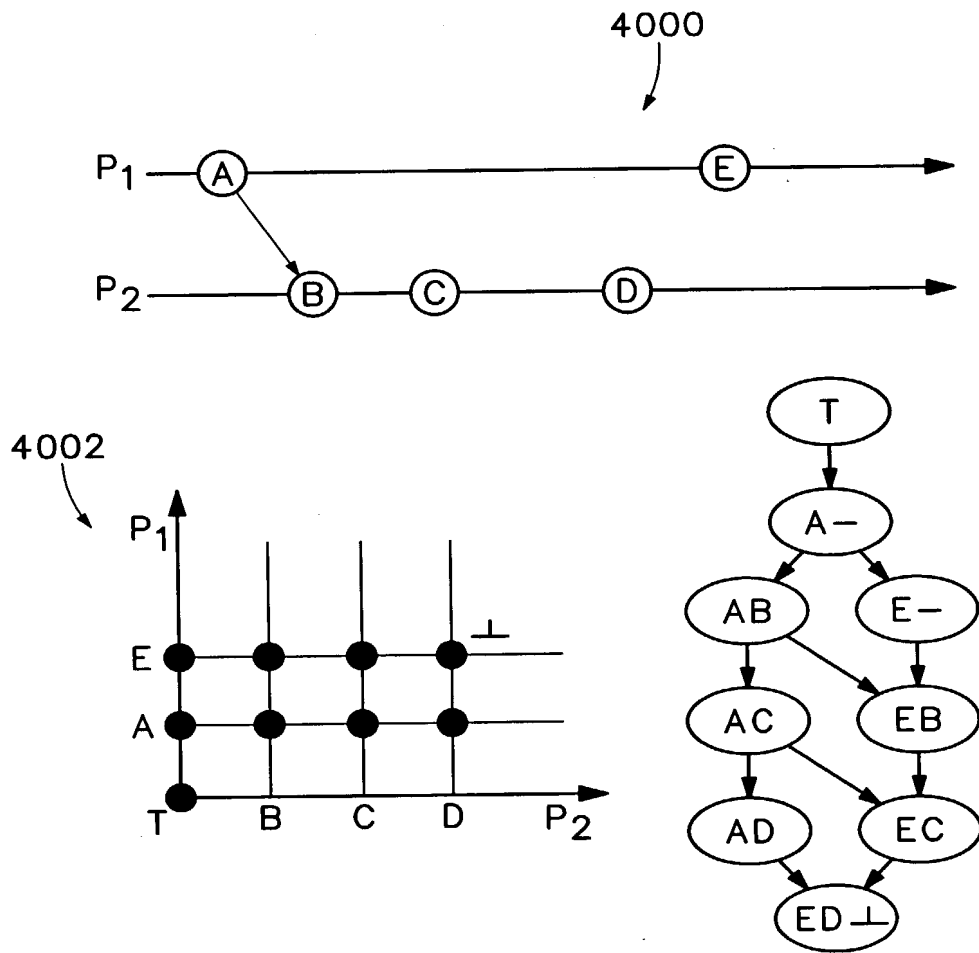


(c) Cohesion(P) = 1.0  
Coupling(P) = 0.5

**FIG.38**  
(PRIOR ART)

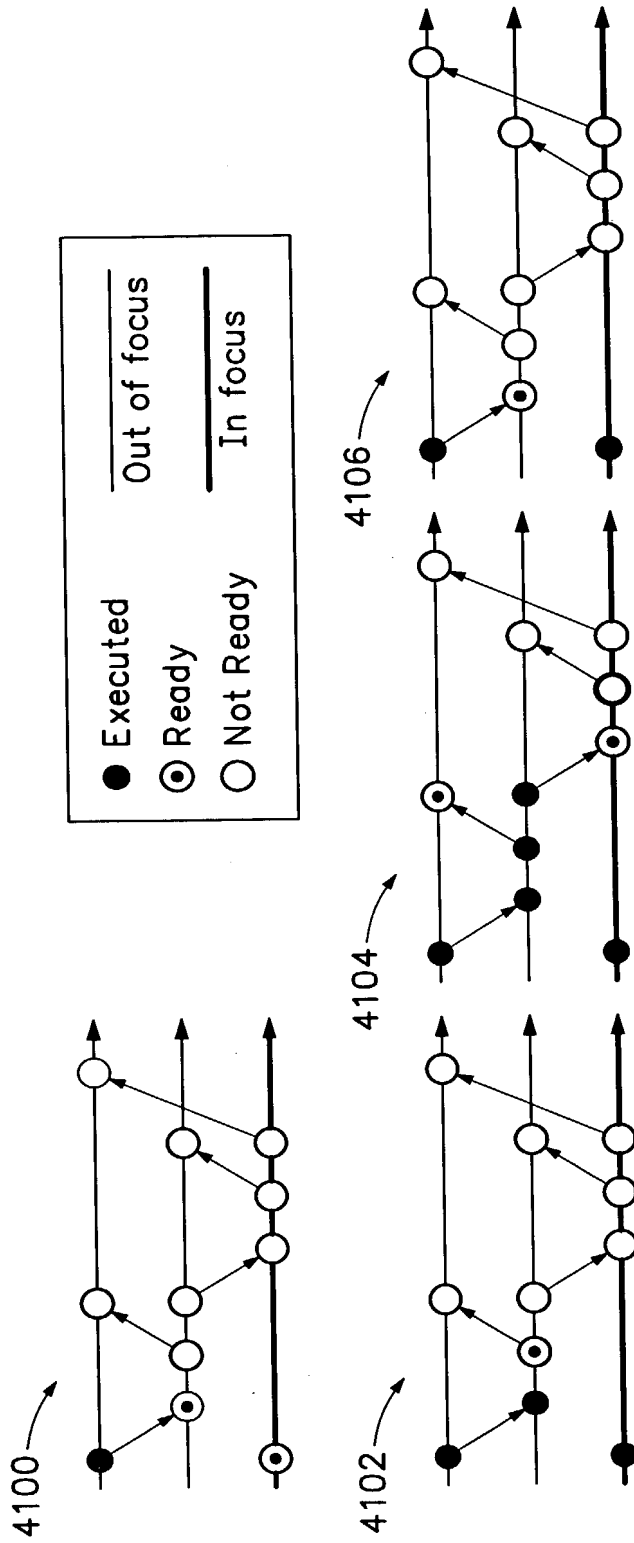


**FIG.39**  
(PRIOR ART)

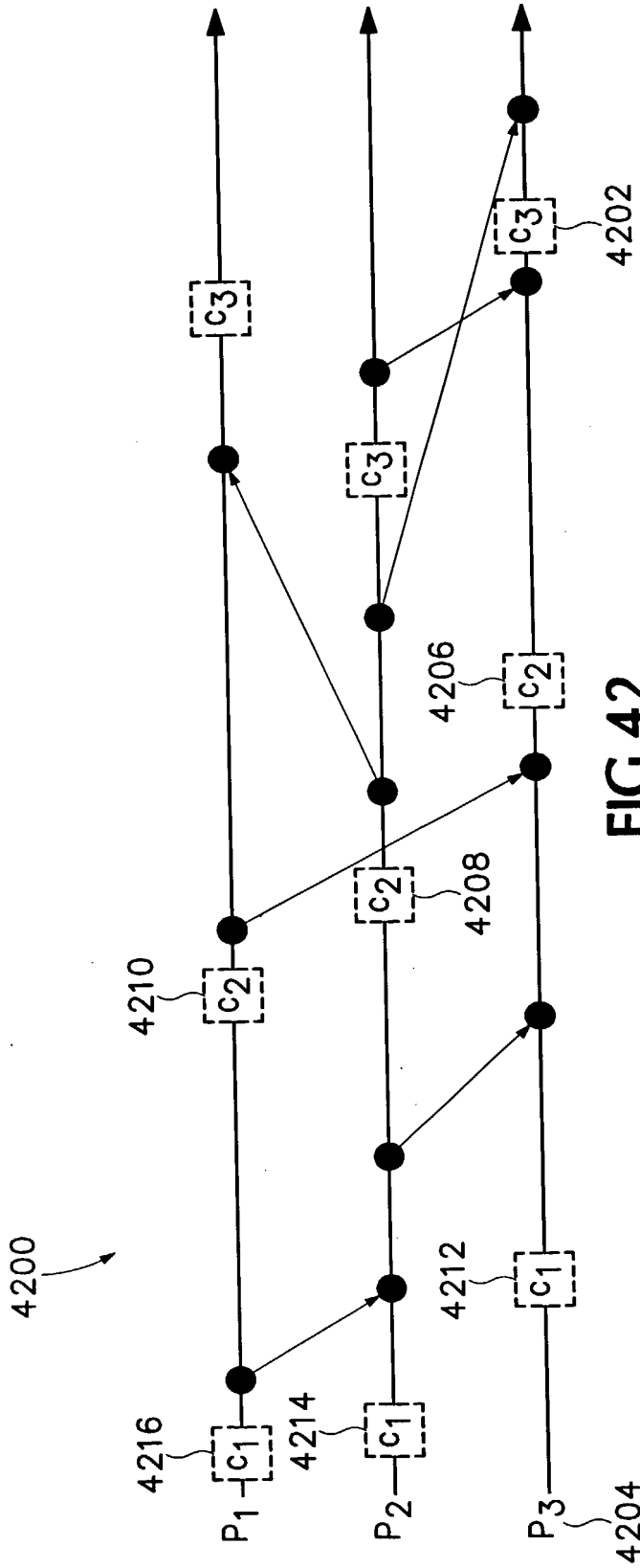


**FIG. 40**  
(PRIOR ART)



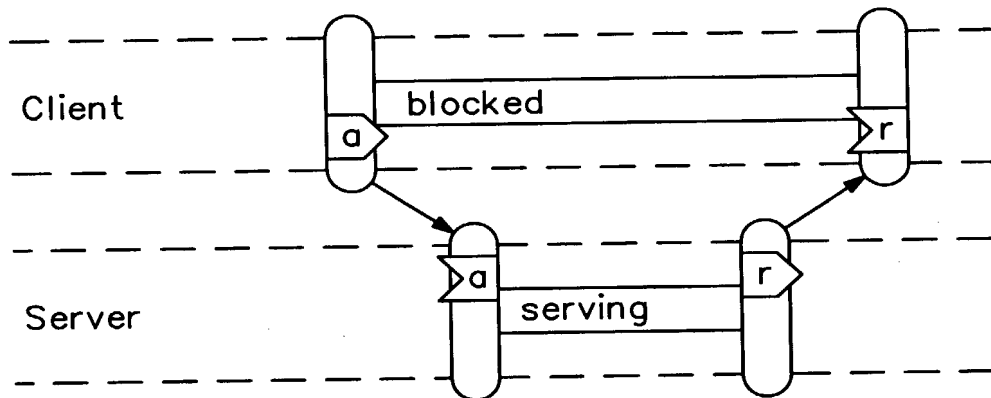
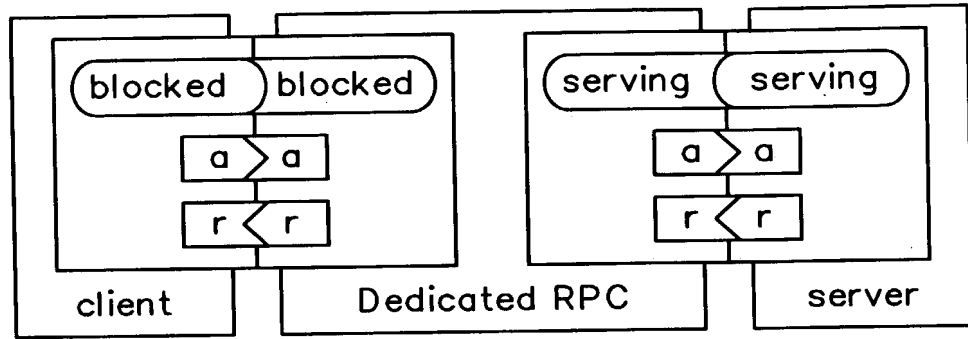


**FIG.41**  
(PRIOR ART)

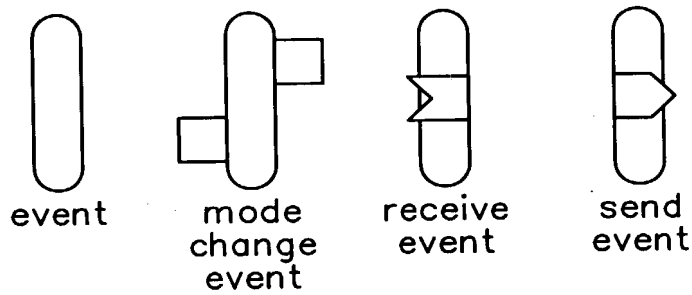


**FIG.42**  
(PRIOR ART)

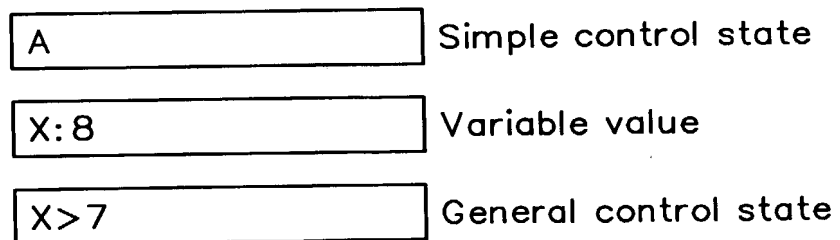




**FIG.43**



**FIG.44**



**FIG.45**

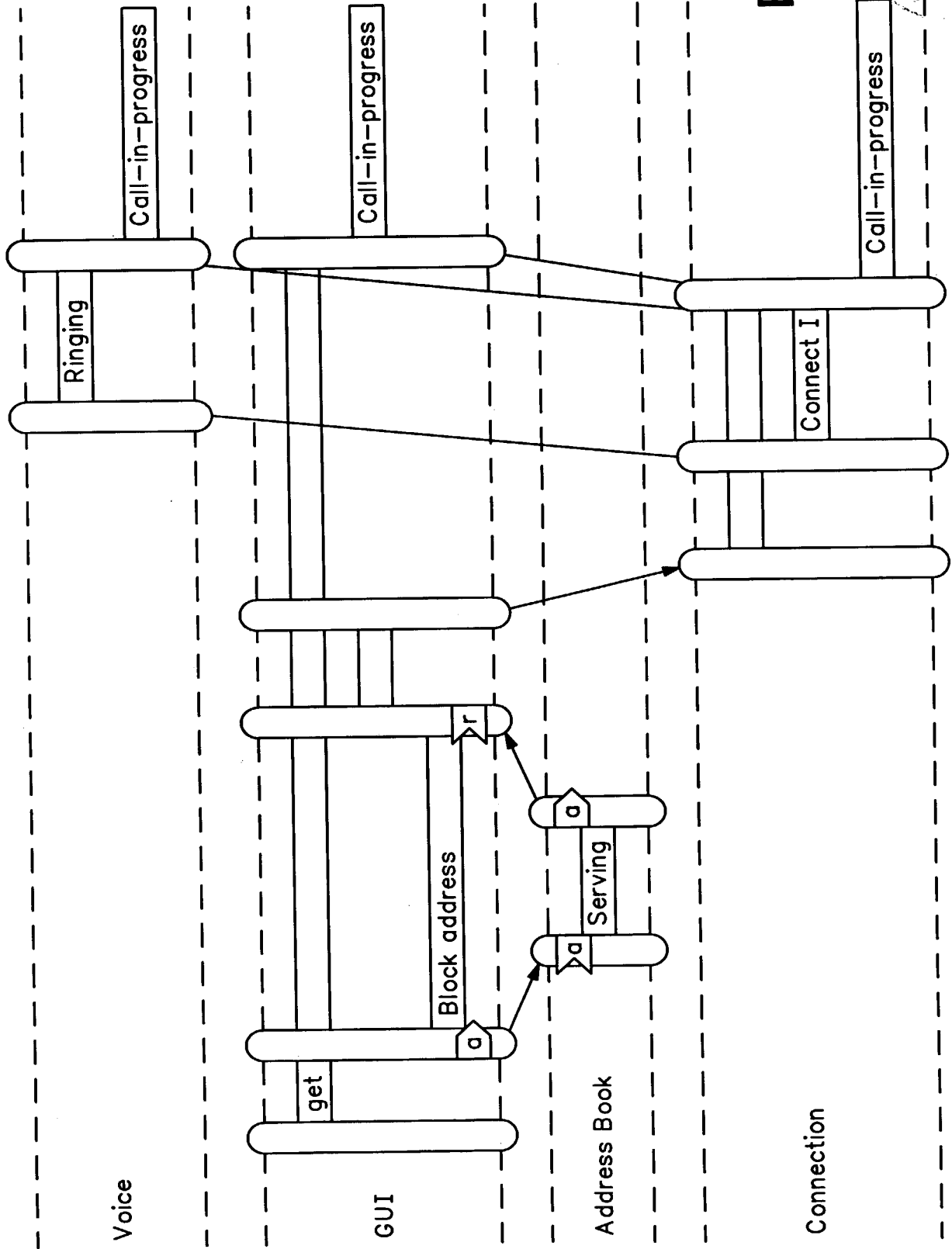
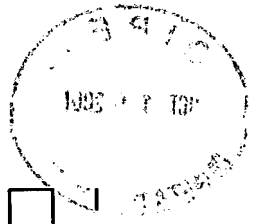
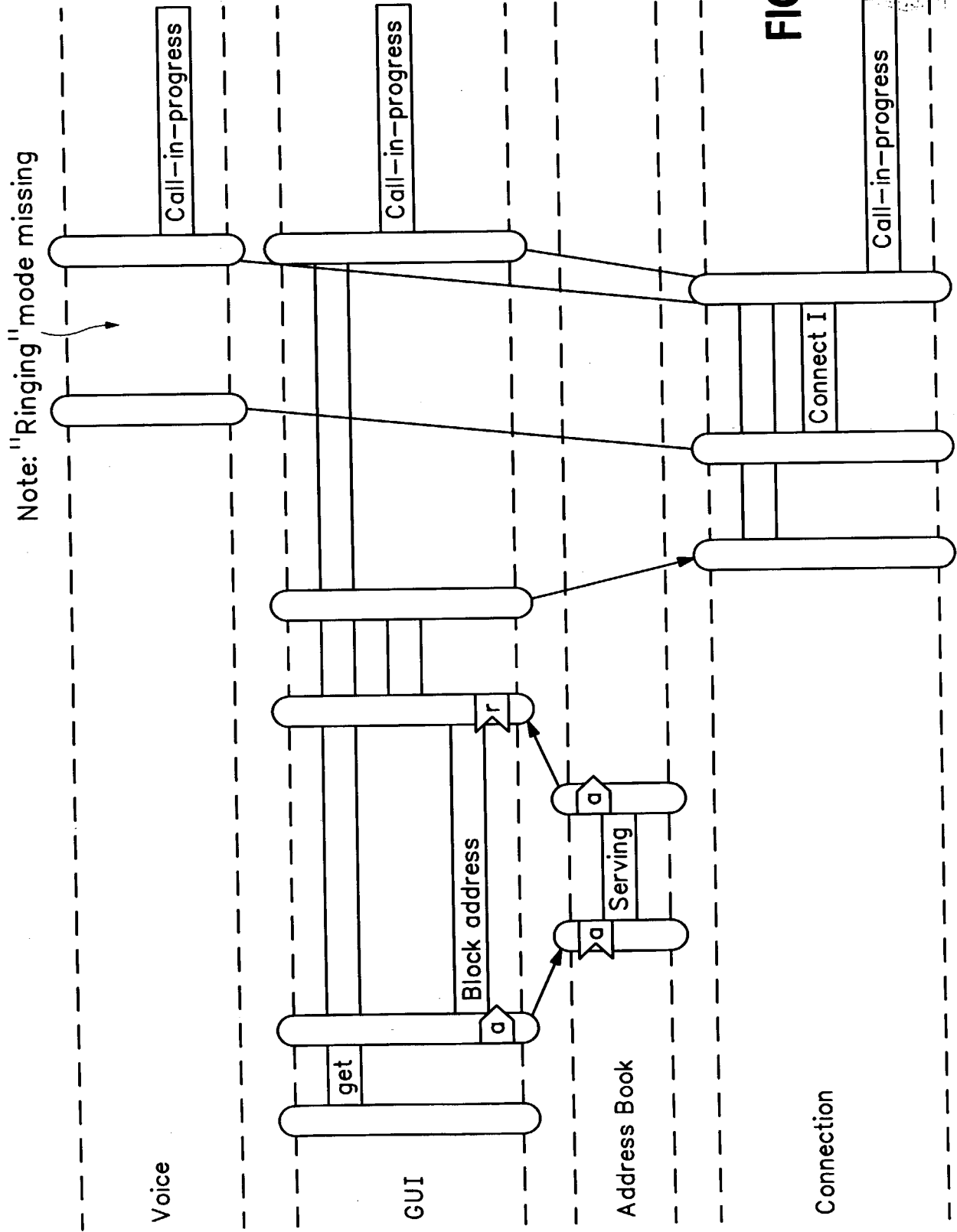


FIG.46





**FIG. 47A**

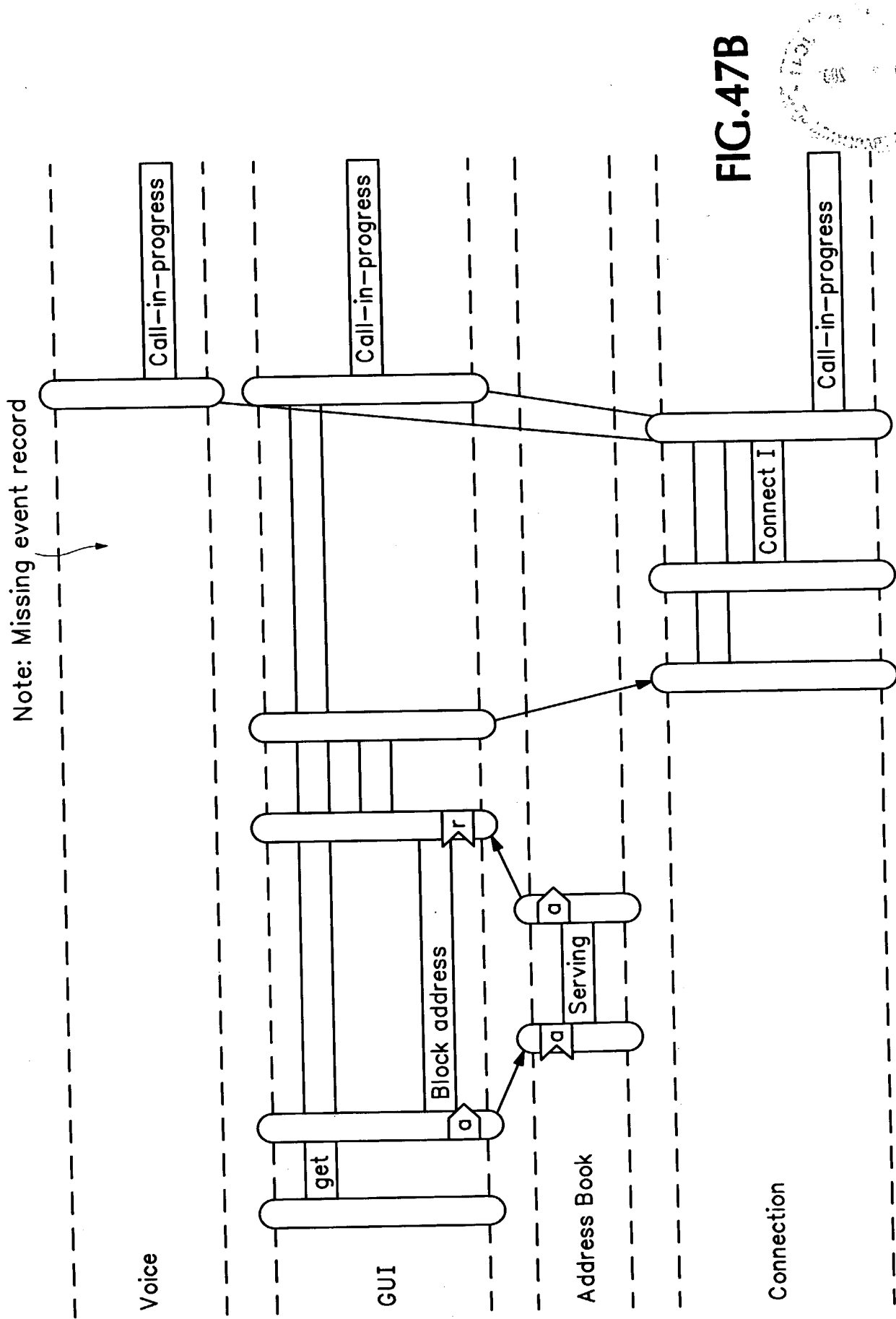
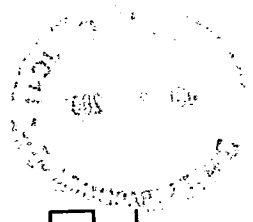


FIG.47B



Connection

Voice

GUI

Address Book

Call-in-progress

Call-in-progress

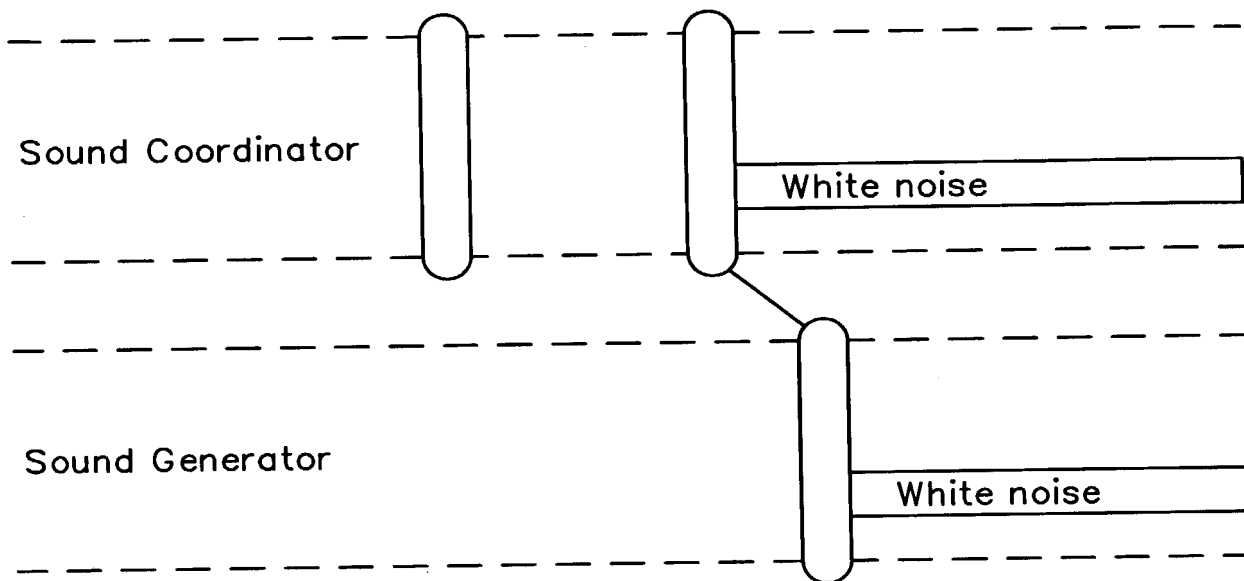
Call-in-progress

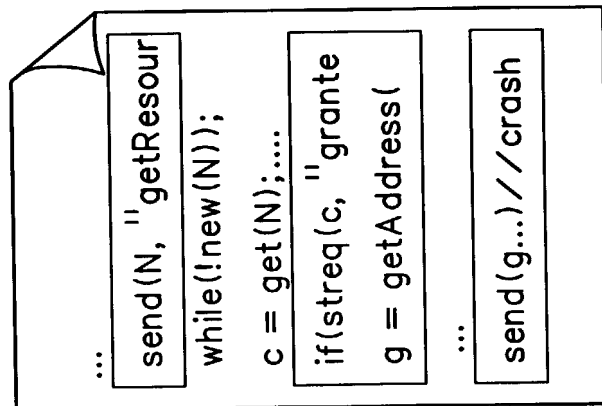
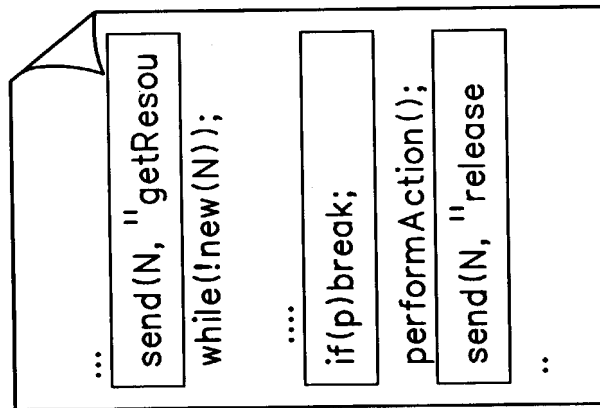
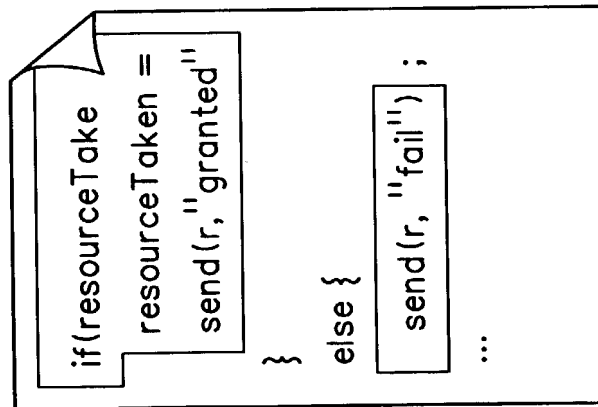
Connect I

get

Block address

Serving





Network Interface

x

y

FIG.49





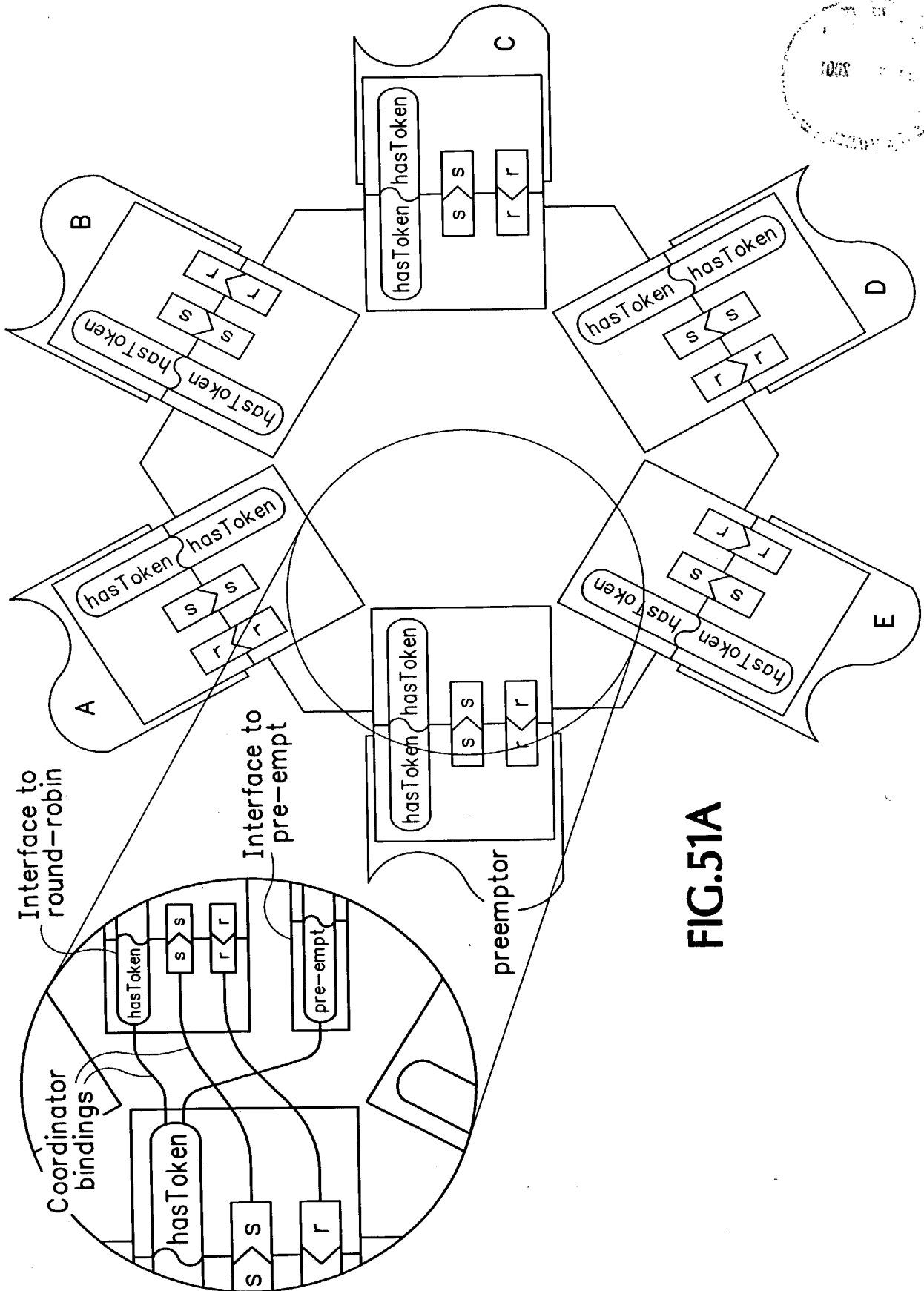
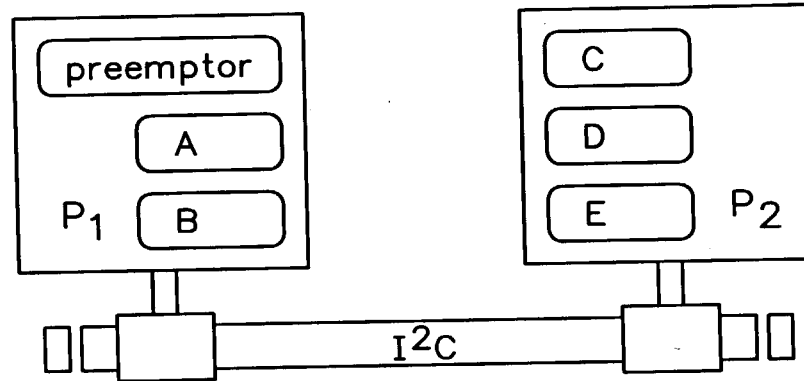


FIG. 51A



**FIG.51B**

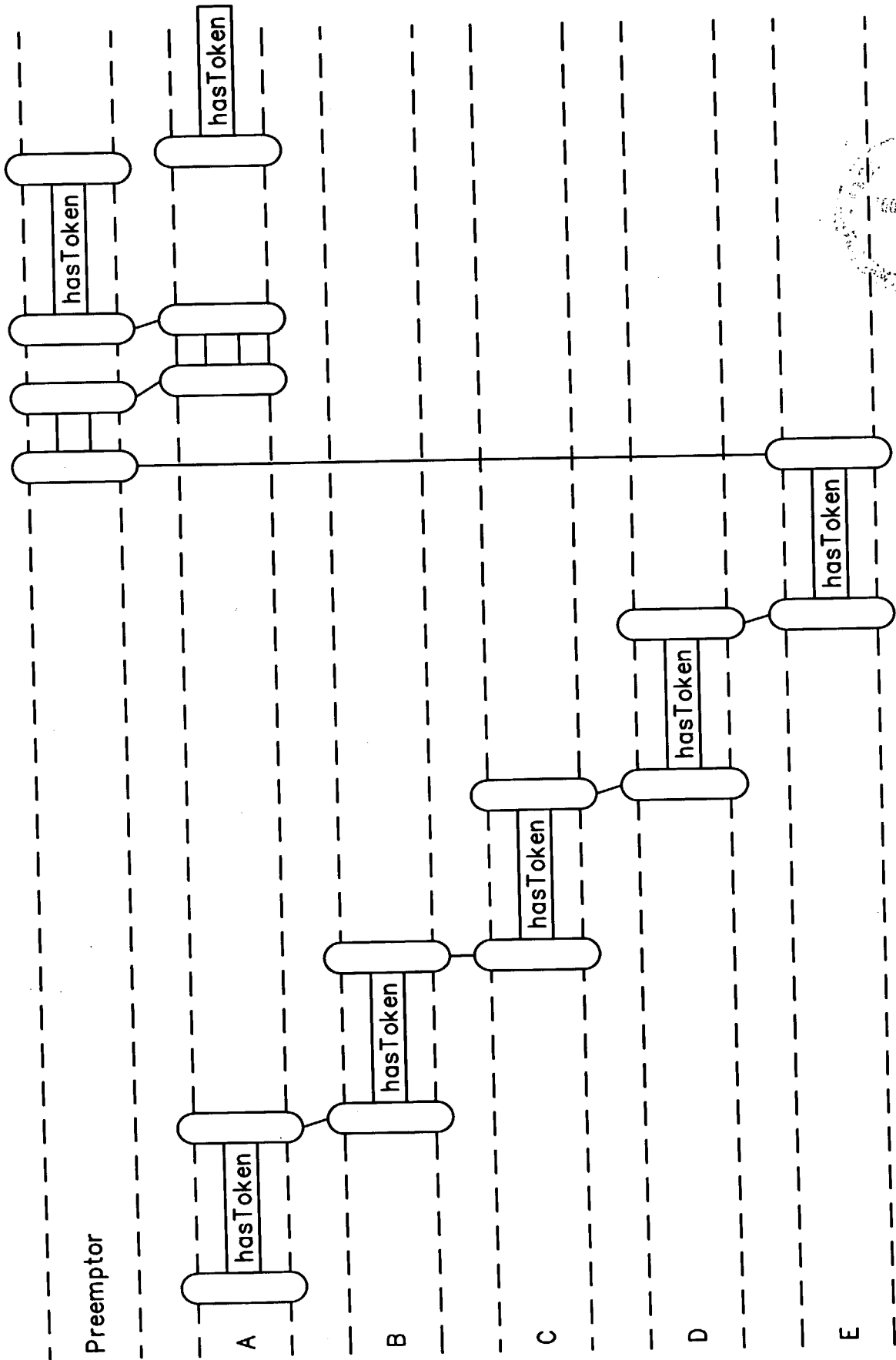


FIG.52A

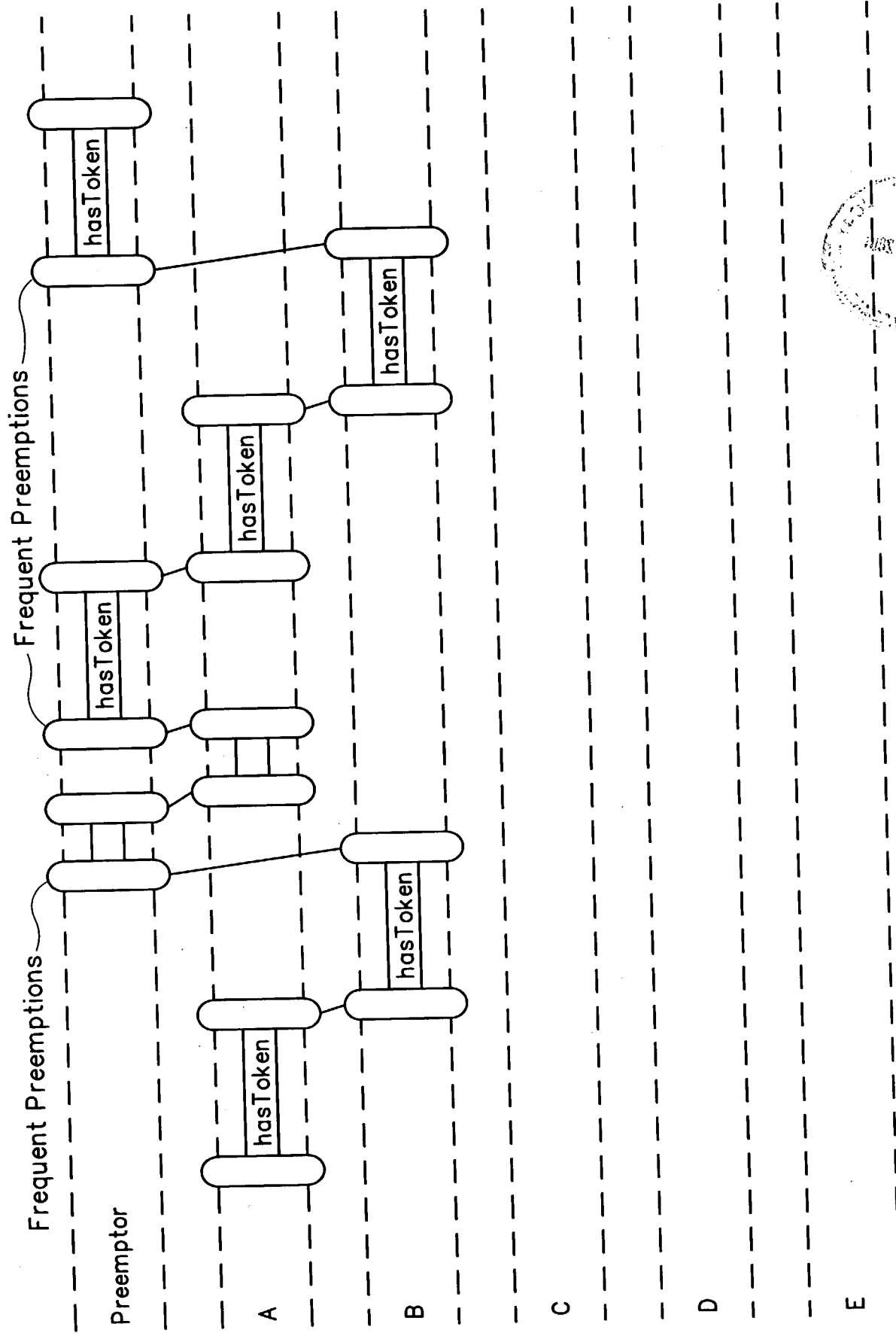
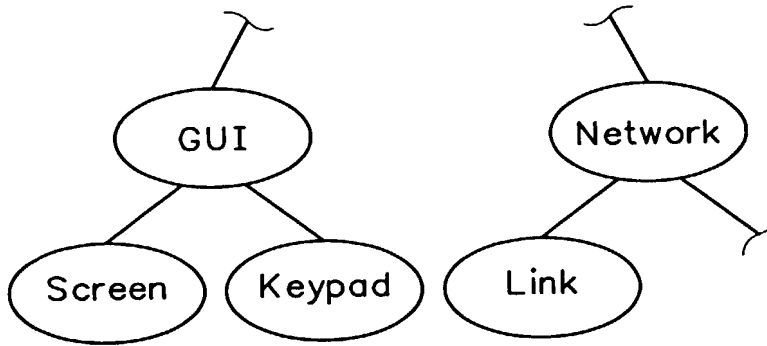
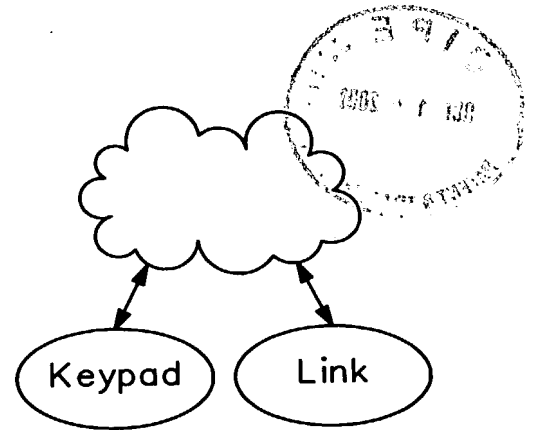


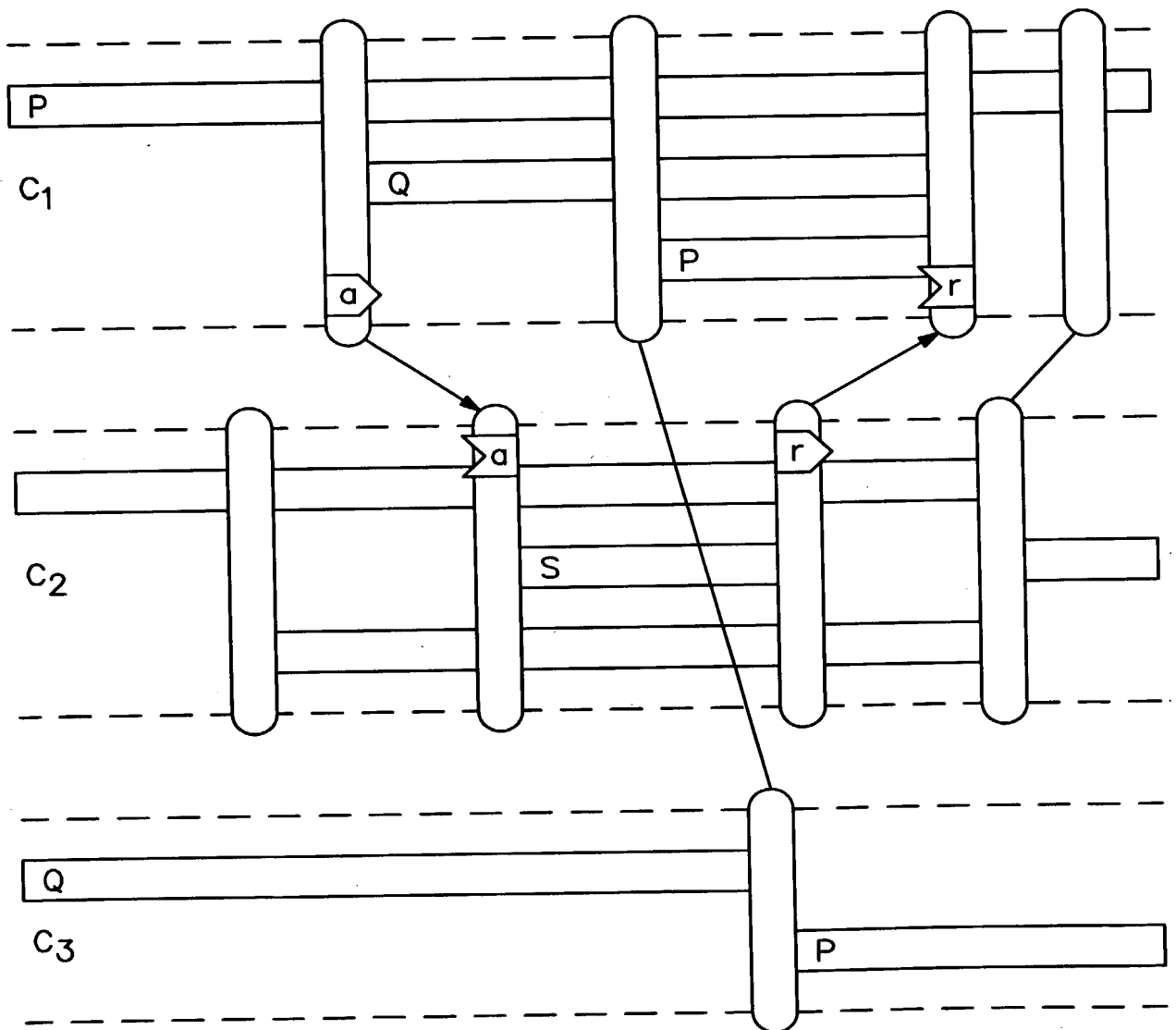
FIG.52B



**FIG.53A**

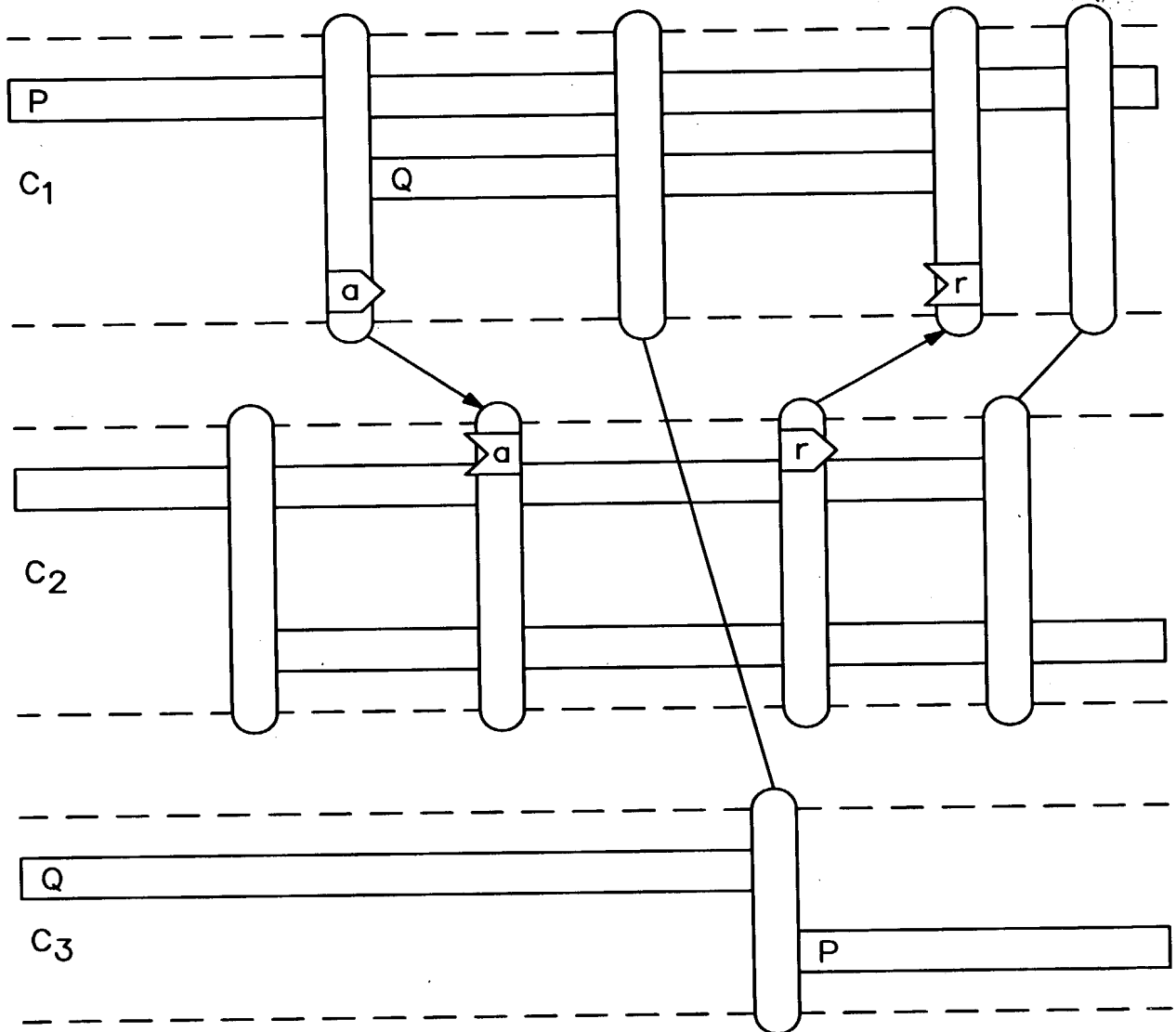


**FIG.53B**



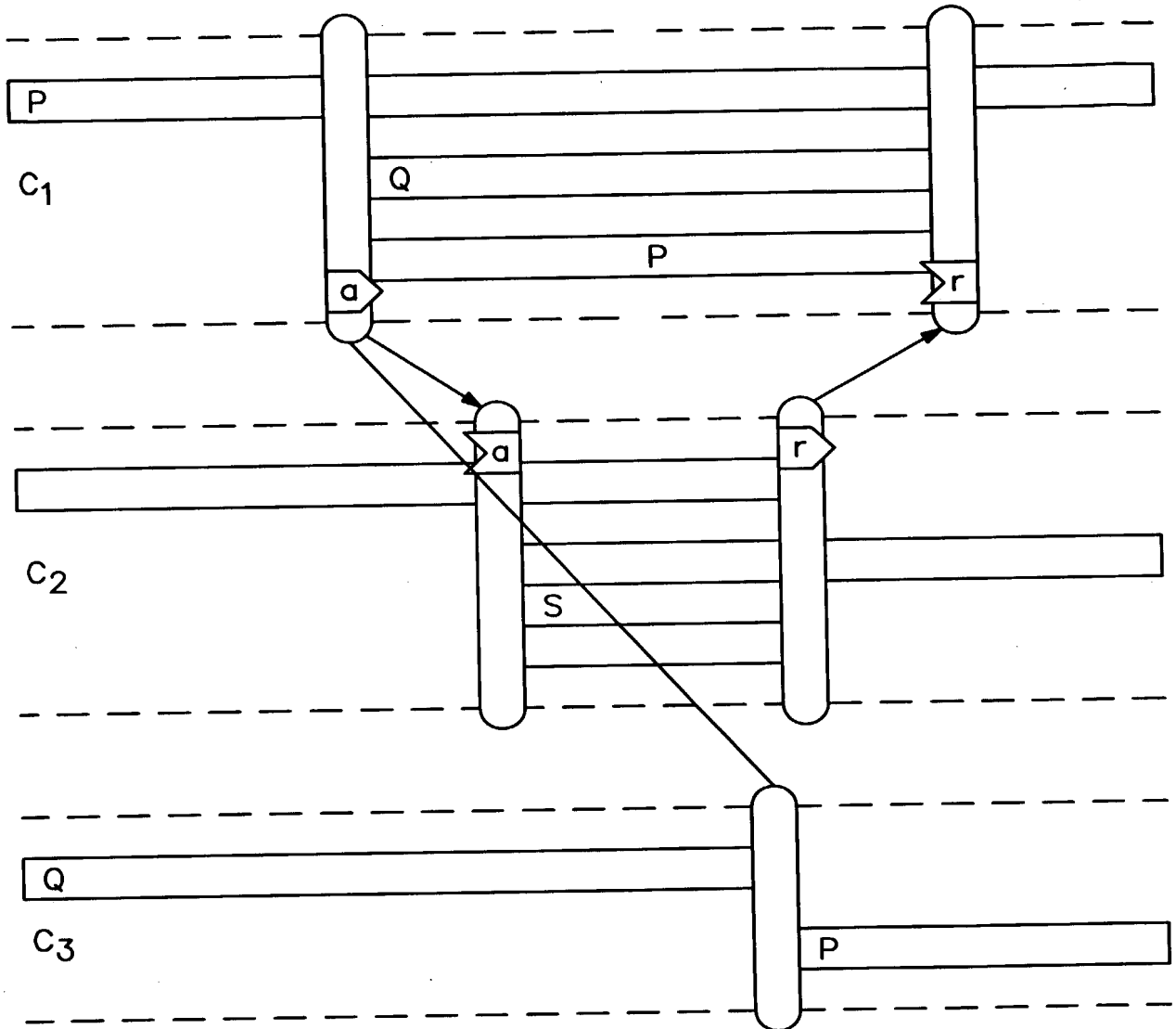
Complete evolution diagram

**FIG.54A**



After states on  $C_2$ 's middle and  
bottom trace are clustered

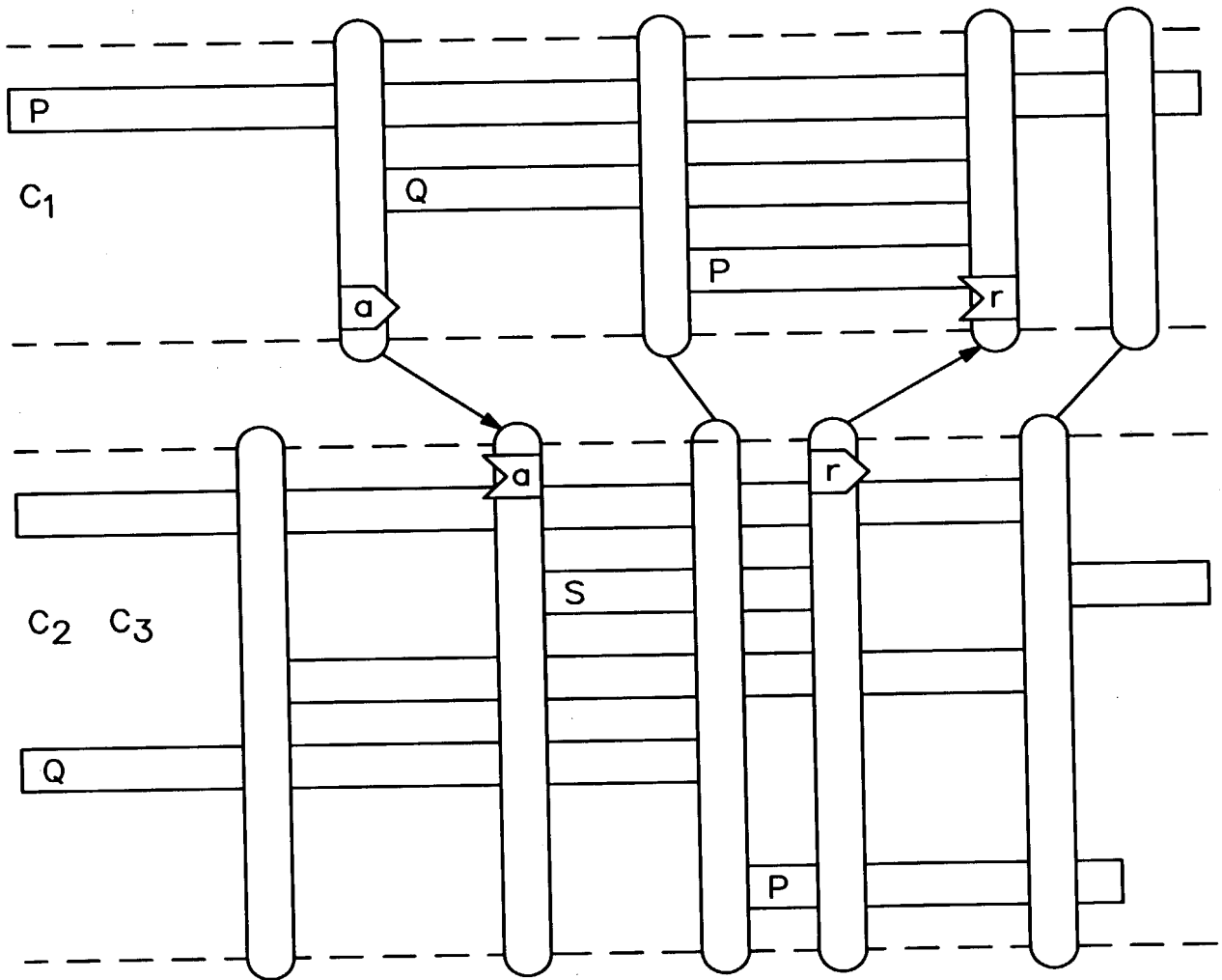
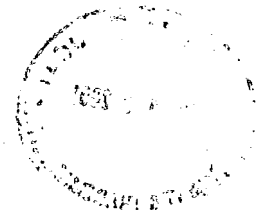
**FIG.54B**



After some of  $C_1$ 's  
events are clustered

**FIG.54C**





After components  $C_2$  and  $C_3$   
are clustered

**FIG.54D**

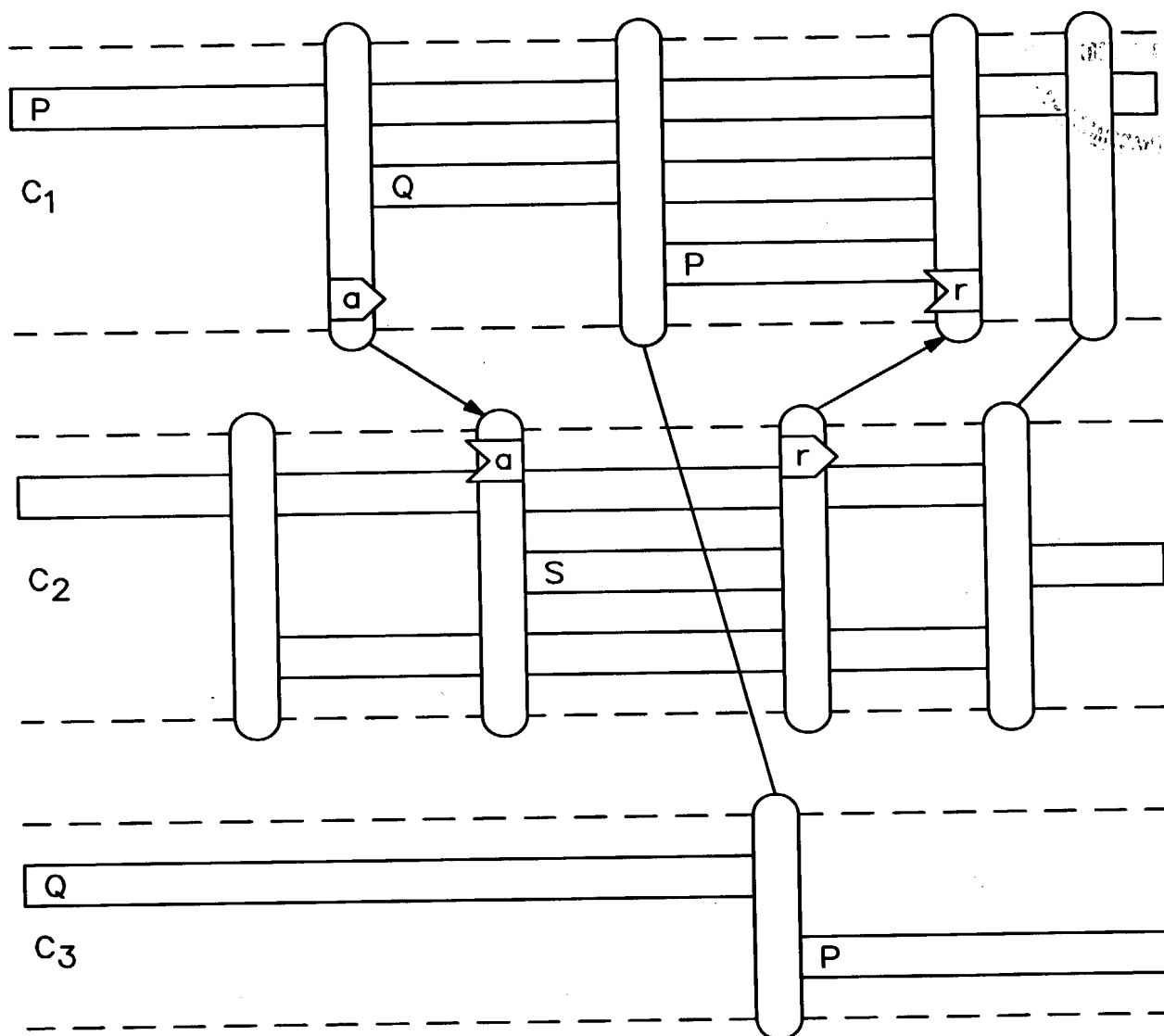


FIG.55A

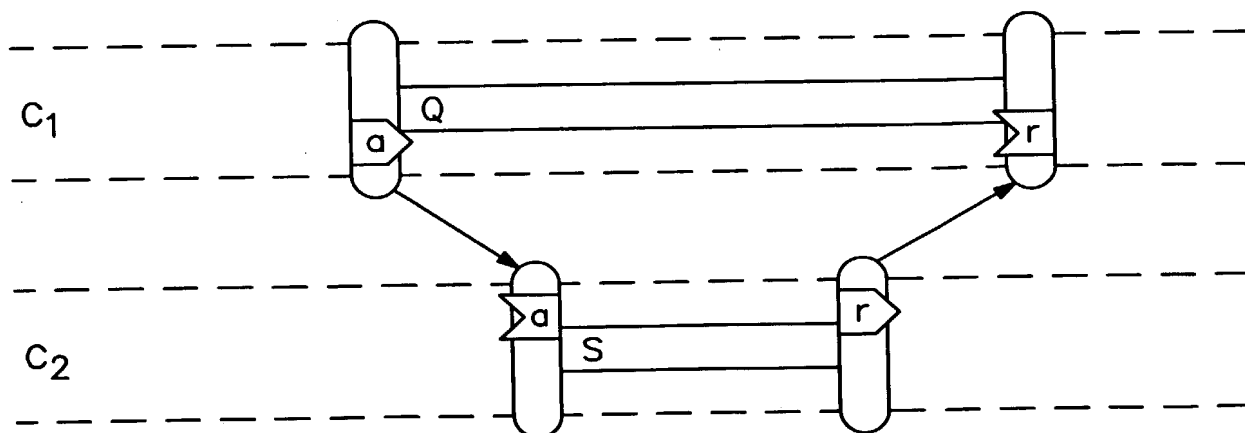


FIG.55B

5600

Cell Phone: Init Call

Voice

GUI

Address Book

Connection

Ringing

Connect I

5602

Voice

GUI

Address Book

Connection

Call-in-progress

Call-in-progress

Call-in-progress

End Call

Init Call

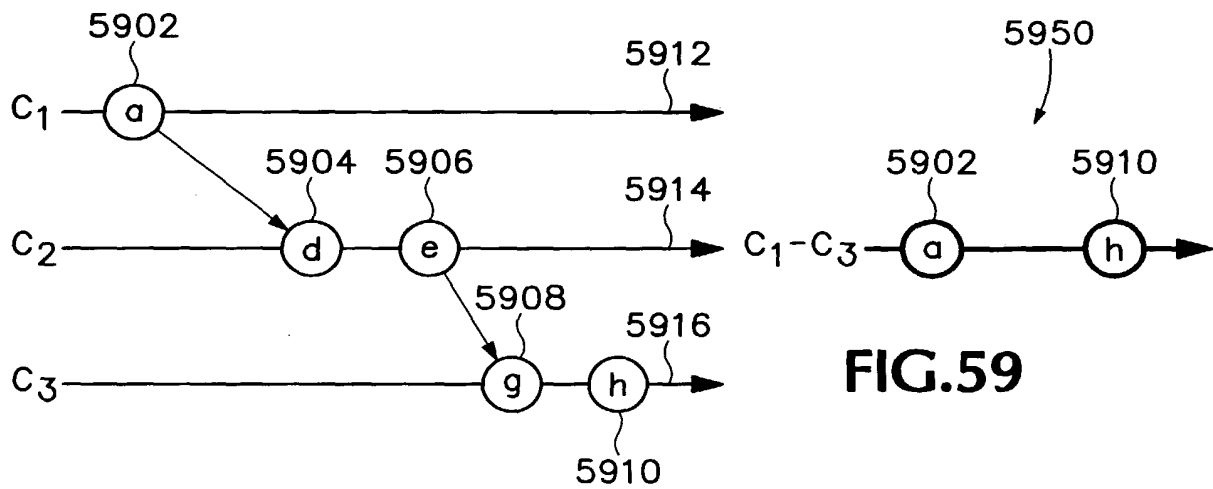
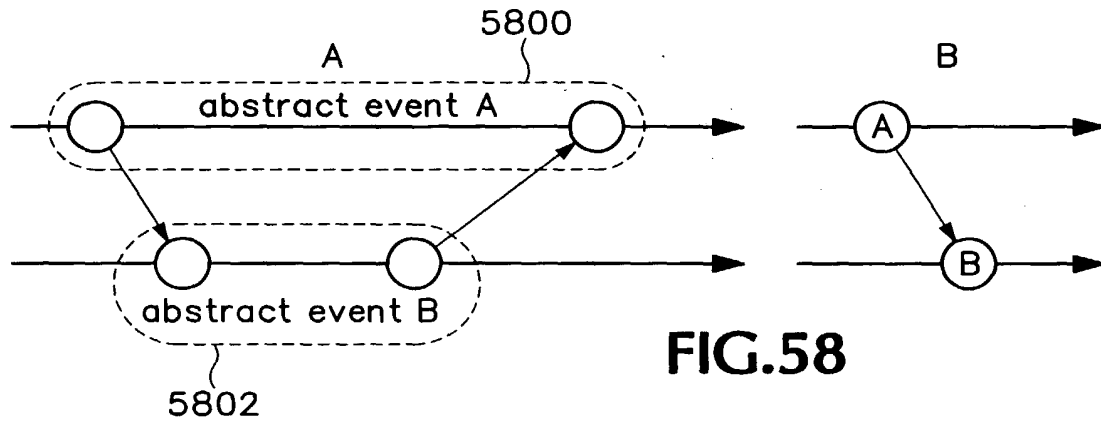
get

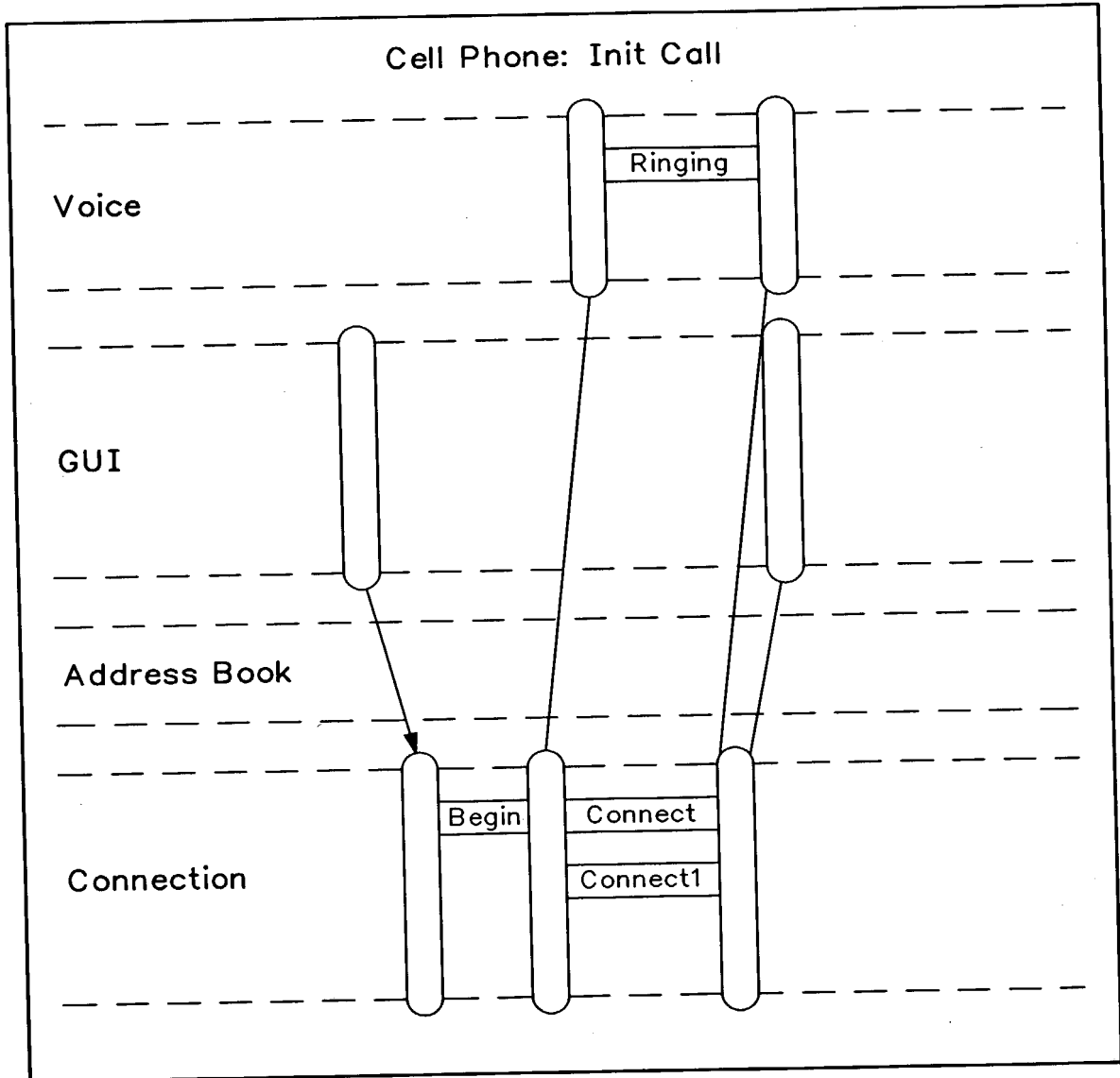
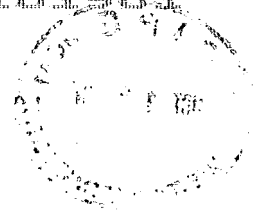
Block address

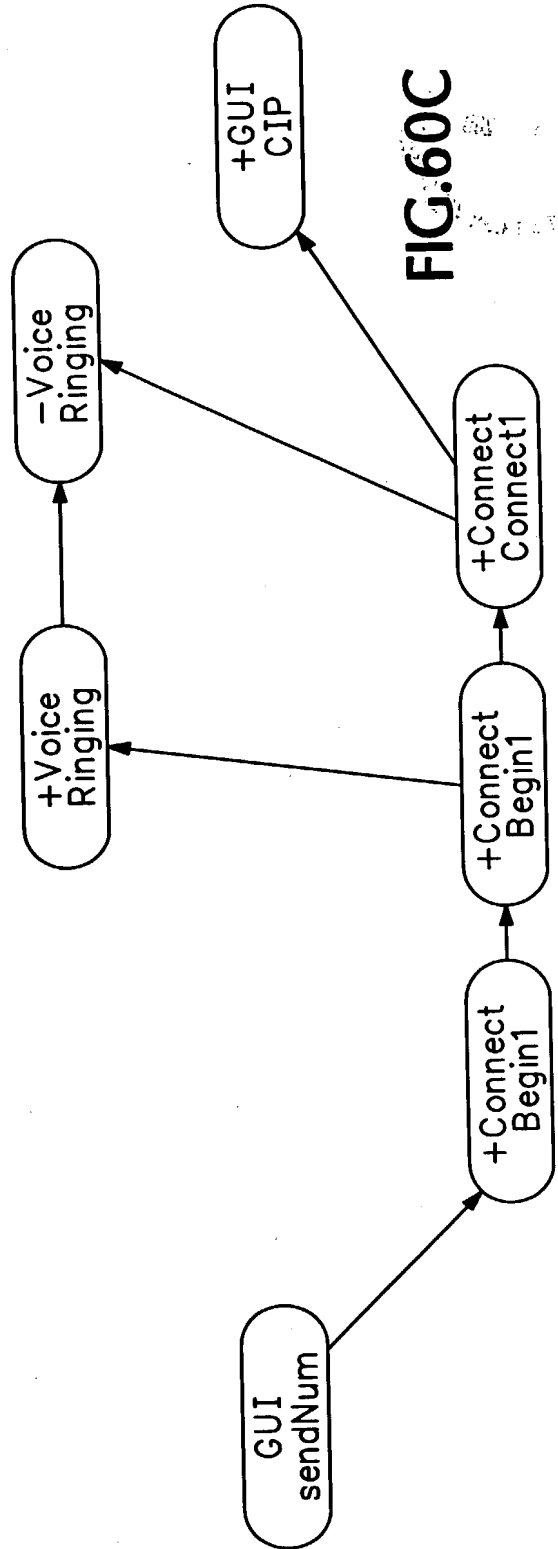
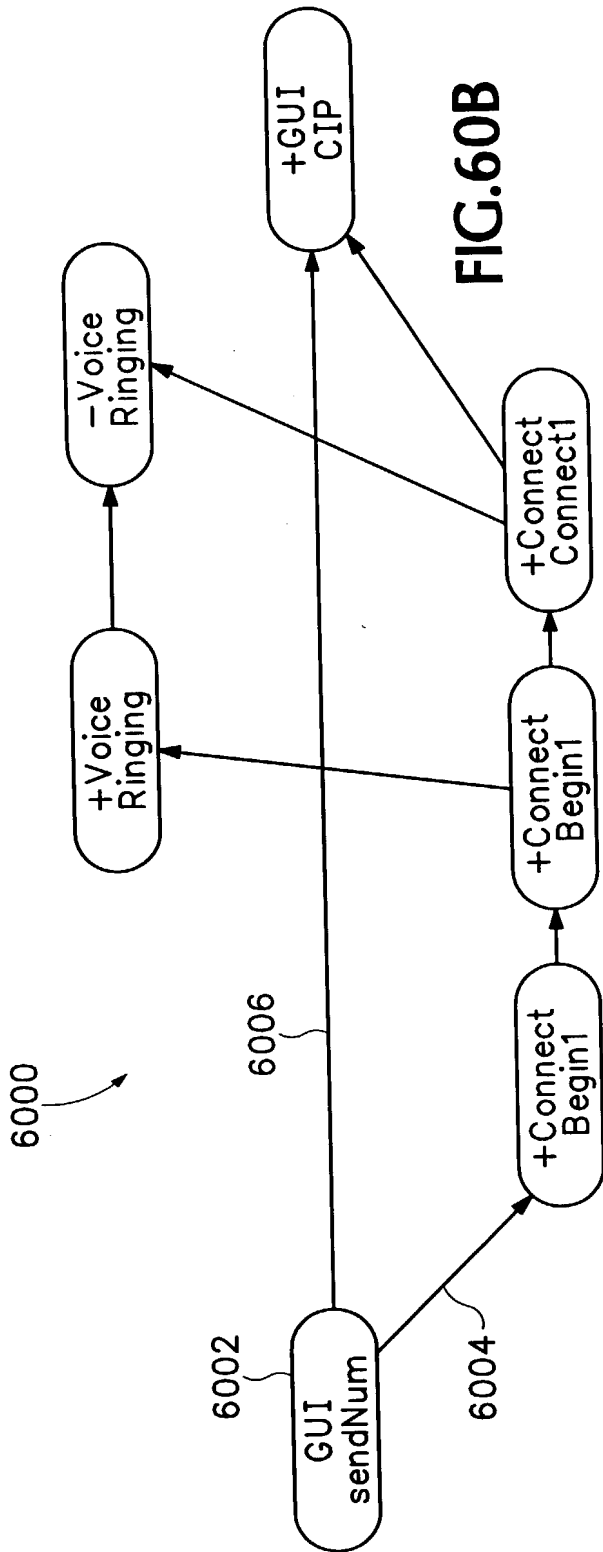
Serving

FIG.56





**FIG.60A**



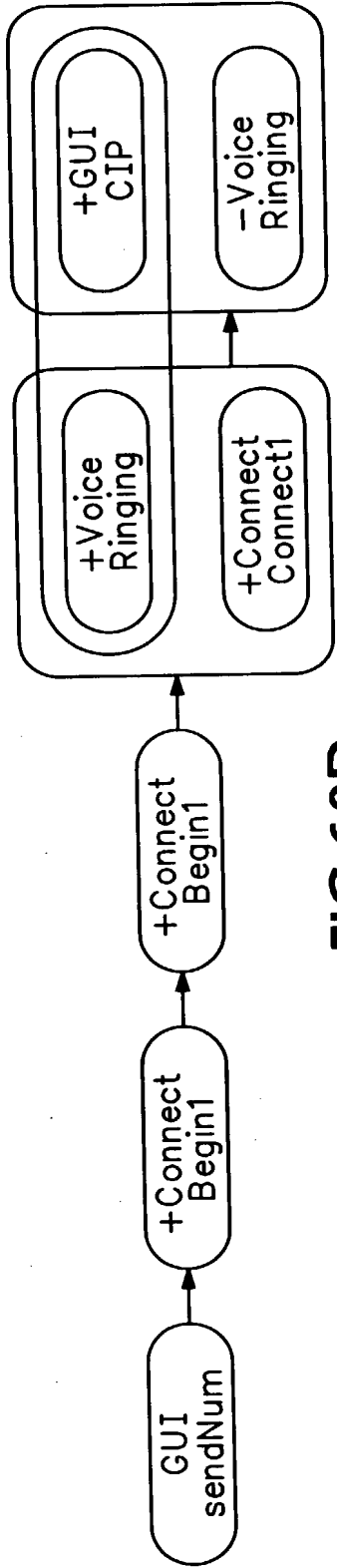


FIG. 60D

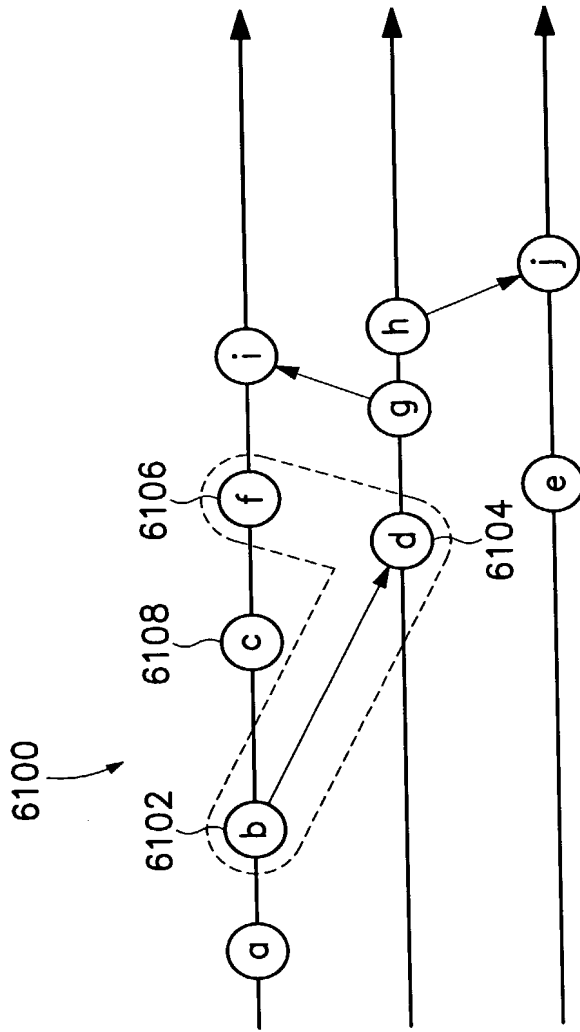
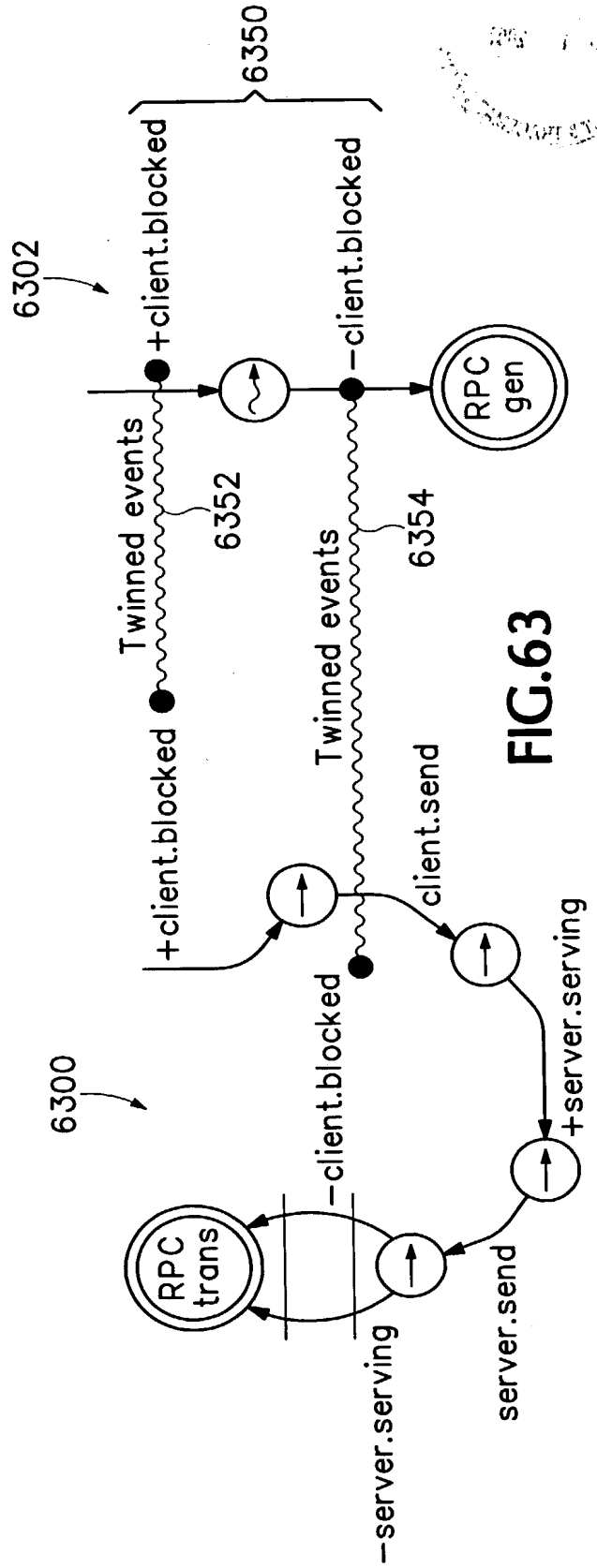
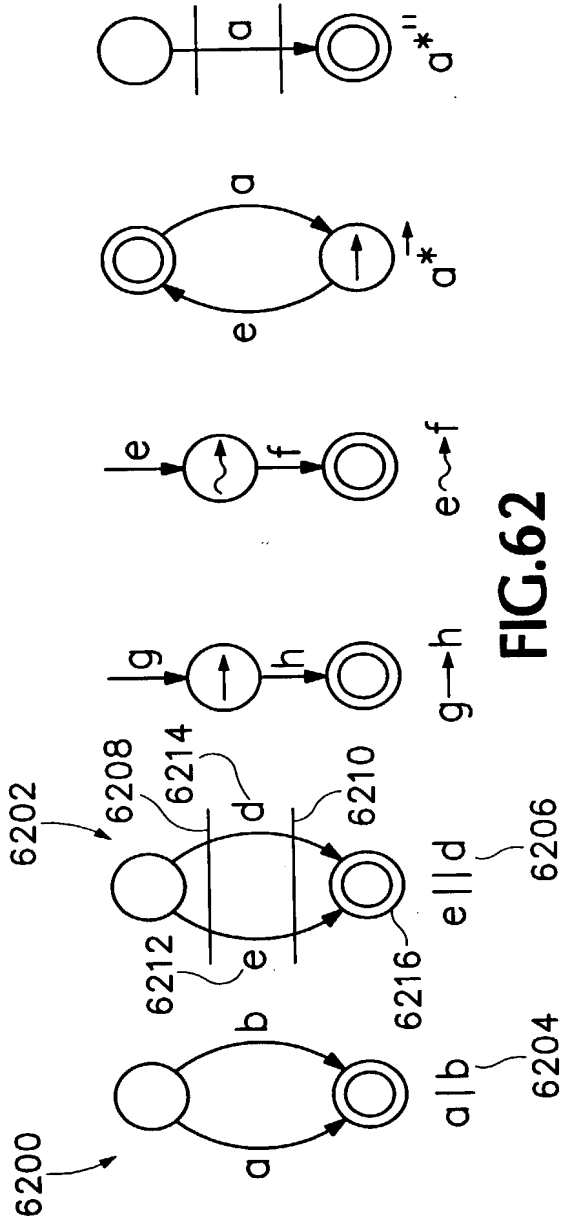
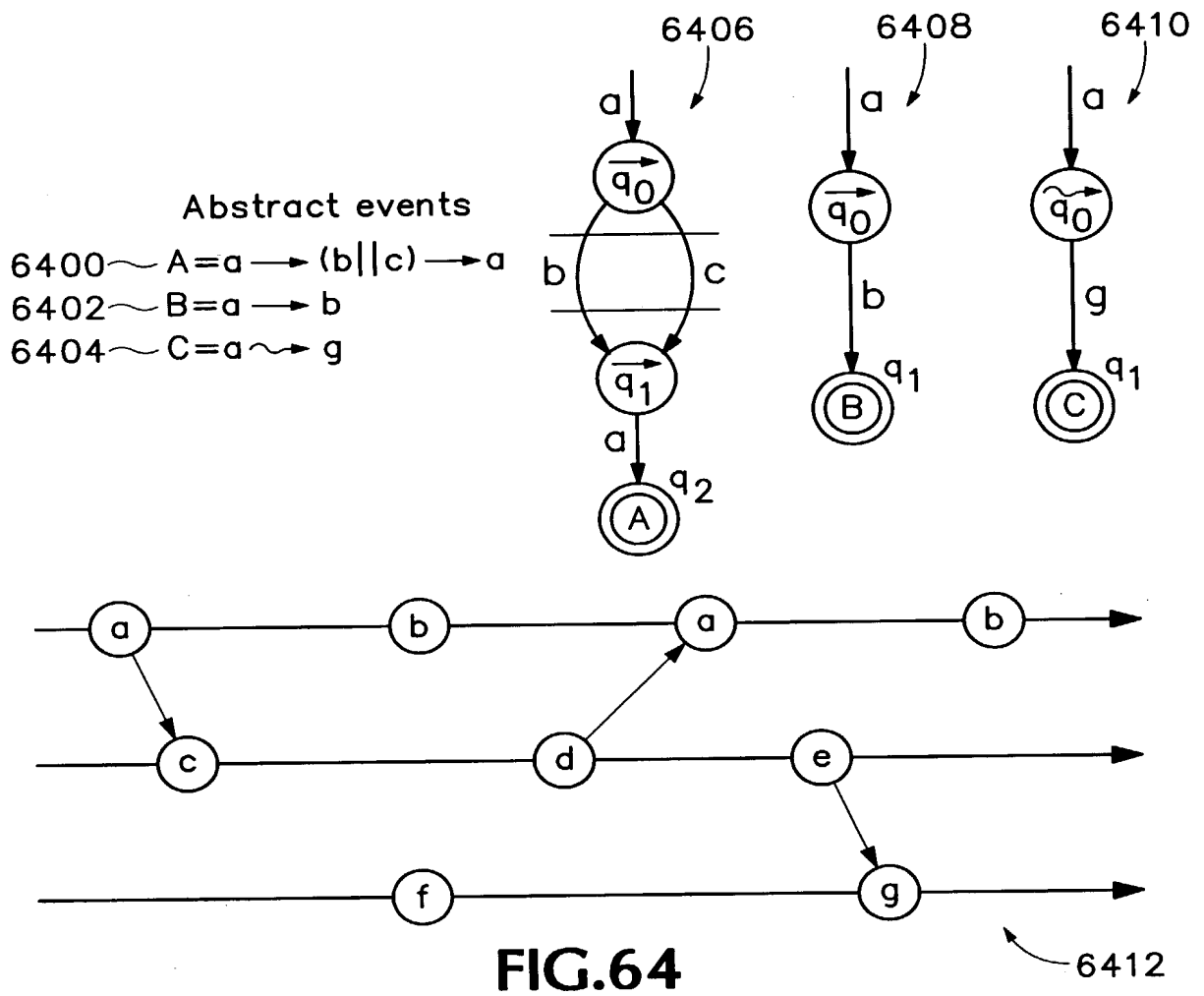
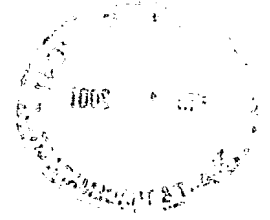


FIG. 61







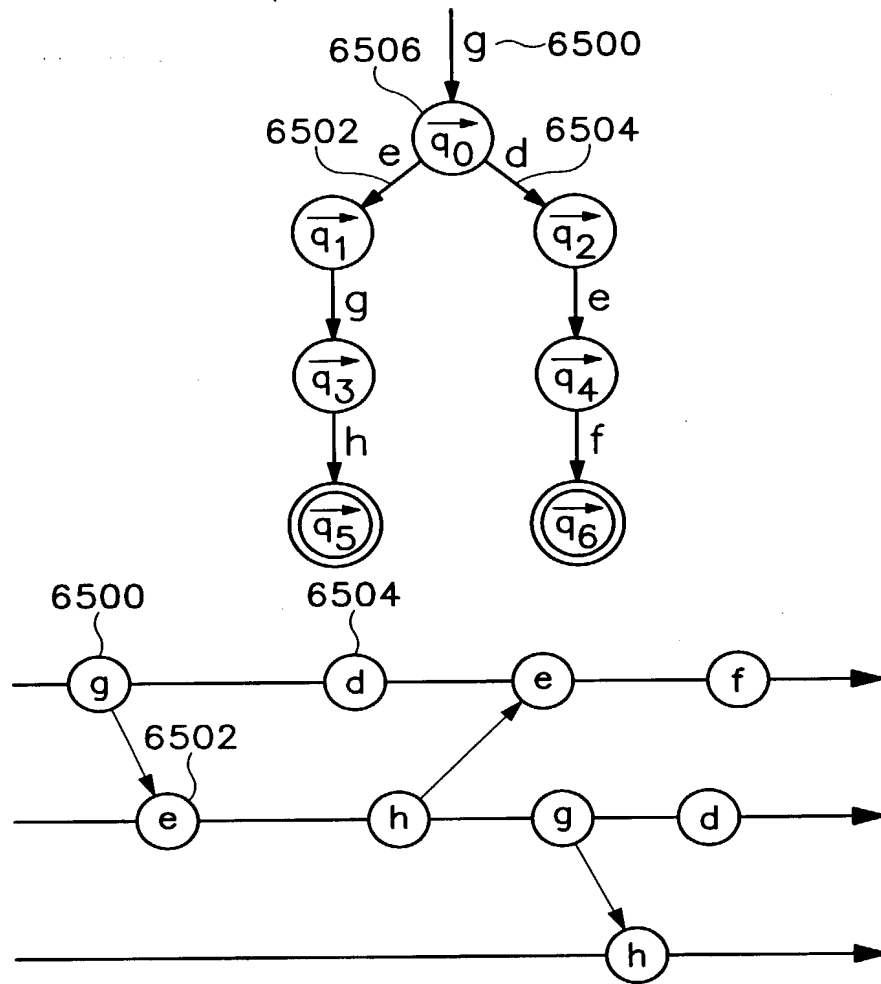


FIG.65

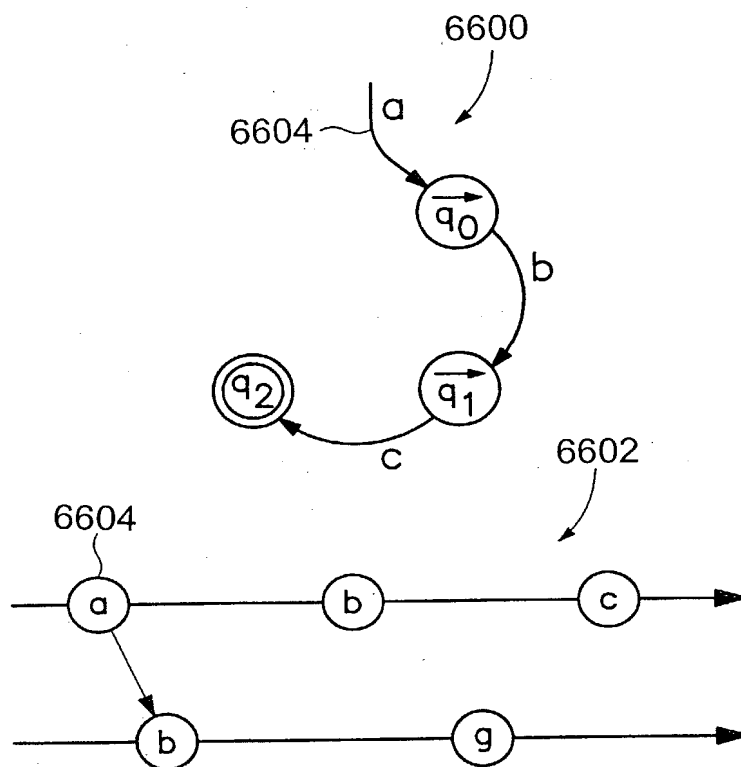


FIG.66